



CONSUMER PRODUCTS SERVICES DIVISION

## BTL DIFFUSION

**Technical Report:** (9024)211-0299  
**Date Received:** JUL 08, 2024

AUG 13, 2024  
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BTL DIFFUSION  
16, RUE ANATOLE MOUSSU - ZA MÉRÉ NORD EST 78490  
MÉRÉ, FRANCE

**Sample Description:** SOFT ACTIVITY BOOK 2 IN 1 - OCEAN/SOFT ACTIVITY BOOK 2 IN 1 - FOREST/  
SOFT ACTIVITY BOOK 2 IN 1 - JUNGLE/SOFT ACTIVITY CUBE - DINO FRIENDS/  
SOFT ACTIVITY BOOK 2 IN 1 - DINO FRIENDS/SOFT ACTIVITY CUBE - OCEAN/  
SOFT ACTIVITY CUBE - FOREST/SOFT ACTIVITY CUBE - JUNGLE/  
PATCHWORK PLAYMAT - DINO FRIENDS

<b>Vendor:</b>	N/A	<b>Sample Size:</b>	N/A
<b>Buyer:</b>	N/A	<b>Style No(s):</b>	303976/304485/304492/30 4799/304805/ 303983/304461/304478/30 4836
<b>Manufacturer:</b>	N/A	<b>SKN/SKU No.:</b>	N/A
<b>Labeled Age Grade:</b>	N/A	<b>PO No.:</b>	N/A
<b>Appropriate Age Grade:</b>	N/A	<b>Ref #:</b>	N/A
<b>Client Specified Age Grade:</b>	0M+	<b>Assortment No.:</b>	N/A
<b>Tested Age Grade:</b>	0M+	<b>Country of Destination:</b>	N/A
<b>Country of Origin:</b>	CHINA	<b>Color:</b>	N/A
<b>UPC Code:</b>	N/A		

### **EXECUTIVE SUMMARY:**

The sample(s) MEETS the following requirement(s):

- As specified by client, to determine the Migration of Certain Elements content in the submitted sample(s) in accordance with European Standard on Safety of Toys EN 71-3:2019+A1:2021.\*
- As specified by client, to determine the Migration of Certain Elements content in the submitted sample(s) in accordance with British Standard on Safety of Toys BS EN 71-3:2019+A1:2021.\*
- As specified by client, to determine the Heavy Elements content in the submitted sample(s) in accordance with ASTM F963-23(Clause 4.3.5) Standard Consumer Safety Specification for Toy Safety.\*
- As specified by client, to determine the Soluble Elements content in the submitted sample(s) in accordance with Australian/New Zealand Standard on Safety of Toys AS/NZS ISO 8124.3:2021.\*
- As specified by client, to determine the Toxicological Hazards content in the submitted sample(s) in accordance with Canada Consumer Product Safety Act : Toys Regulations (SOR/2011-17 and amendment SOR/2016-195 & SOR/2016-302).\*
- As specified by client, to determine the Lead content in the submitted sample(s) in accordance with Consumer Product Safety Improvement Act of 2008(H.R. 4040) & H.R.2715 amendment Title 1 section 101- Children's products containing lead; lead paint rule.\*
- As specified by client, to determine the Lead content in the submitted sample(s) in accordance with California "Proposition 65".\*

C/N QD/FIONA/AZ

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## **EXECUTIVE SUMMARY:**

The sample(s) MEETS the following requirement(s):

- As specified by client, to determine the Total Lead content in the submitted sample(s) in accordance with Canada Consumer Product Safety Act : Consumer Products Containing Lead Regulations SOR/2018-83.\*
- As specified by client, to determine the Total Lead content in the submitted sample(s) in accordance with Canada Surface coating materials regulations (SOR/2016-193&SOR/2022-122).\*
- As specified by client, to determine the Total Lead content in the submitted sample(s) in accordance with 16 CFR 1303.\*
- As specified by client, to determine the Specific Migration of Bisphenol A (BPA) in the submitted sample(s) in accordance with Directive 2009/48/EC and its amendment Directive (EU) 2017/898.\*
- As specified by client, to determine the DEHP, DBP, BBP, DINP, DIBP, DPENP, DHEXP and DCHP content in the submitted sample(s) in accordance with Consumer Product Safety Improvement Act of 2008(H.R. 4040) & H.R.2715 amendment & 16 CFR Part 1307-Prohibition of Children Toys and Child Care Articles Containing Specified Phthalates.\*
- As specified by client, to determine the DBP, BBP, DEHP, DIDP, DNHP and DINP content in the submitted sample(s) in accordance with California "Proposition 65".\*
- As specified by client, to determine the DEHP, DBP, BBP, DIBP, DINP, DIDP and DNOP content in the submitted sample(s) in accordance with Item 51&52 of Annex XVII of REACH Regulation (EC) 1907/2006.\*
- As specified by client, to determine the DEHP content in the submitted sample(s) in accordance with Australia Competition and Consumer Act 2010 in children's products - Consumer Protection Notice No. 11 of 2011.\*
- As specified by client, to determine the Phthalates content in the submitted sample(s).\*
- As specified by client, to determine the Formaldehyde content in the submitted sample(s) in accordance with Directive 2009/48/EC & its amendment Directive (EU) 2019/1929.\*
- As specified by client, to determine the Azocolourants content in the submitted sample(s) in accordance with Item 43 of Annex XVII of REACH Regulation (EC) NO. 1907/2006 & amendment No. 552/2009 and 126/2013.\*
- As specified by client, to determine the Lead(Pb), Cadmium(Cd), Mercury(Hg), Hexavalent Chromium(Cr6+) content in the submitted sample(s) in accordance with Directive 94/62/EC and its amendment.\*
- As specified by client, to determine the Lead(Pb), Cadmium(Cd), Mercury(Hg), Hexavalent Chromium(Cr6+) content in the submitted sample(s) in accordance with Toxics in Packaging Clearinghouse (TPCH).\*
- As specified by client, to determine the Phthalates content in the submitted sample(s) in accordance with Toxics in Packaging Clearinghouse (TPCH).\*
- As specified by client, to determine the Cadmium content in the submitted sample(s) in accordance with Item 23 of Annex XVII of REACH Regulation (EC) 1907/2006.\*



**EXECUTIVE SUMMARY:**

The sample(s) MEETS the following requirement(s):

- As specified by client, to determine the Short Chain Chlorinated Paraffin Content in the submitted sample(s) in accordance with the Persistent Organic Pollutants (POPs) Regulation (EU) 2019/1021.\*
- As specified by client, to determine TCEP, TCPP, TDCP content in the submitted sample(s) in accordance with Directive (EU) 2009/48/EC & its amendment Directive 2014/79/EU.\*
- As specified by client, to determine the Specific Migration of Phenol content in the submitted sample(s) in accordance with Directive 2009/48/EC and its amendment Directive (EU) 2017/774.\*
- As specified by client, to determine the Mercury content in the submitted sample(s) in accordance with Canadian Environmental Protection Act : Products Containing Mercury Regulations SOR/2014-254.\*
- As specified by client, to determine the PAHs content in the submitted sample(s) in accordance with Item 50 of Annex XVII of REACH Regulation (EC) 1907/2006 & amendment (EU) No 1272/2013.\*

**Note:**

1. With the client's prior consent, \* was subcontracted test item.

2. As specified by client, to determine the DEHP, DBP, BBP, DINP, DIDP and DNOP content in the submitted sample(s) in accordance with Canada Consumer Product Safety Act : Phthalates Regulations (SOR/2016-188) and As specified by client, to determine the Perfluorooctane sulfonates (PFOS) and Perfluorooctanoic Acid (PFOA) content in the submitted sample(s) in accordance with Toxics in Packaging Clearinghouse (TPCH) were not applicable.



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**BVCPS (SHANGHAI)-QINGDAO BRANCH CONTACT INFORMATION FOR THIS REPORT**

**Technical enquiry:**

Anderson Zhang

86-532-58827985

Anderson Zhang @bureauveritas.com

**General enquiry and invoicing:**

Mandy Zhang

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Mandy Zhang@bureauveritas.com

A handwritten signature in black ink that reads 'Anderson Zhang'.

Anderson Zhang  
Manager- Hardline & Toy Operation



**RESULTS:**

**Specimen Description:**

No.	Test part(s) name	
1	Blue printed white synthetic leather	001
2	Grey printed white synthetic leather	002
3	Orange/black printed white synthetic leather	003
4	Blue synthetic leather	004
5	Pink synthetic leather	005
6	White synthetic leather	006
7	Multi-color printed white synthetic leather	007
8	Light blue flannel	008
9	Dark blue green short plush	009
10	White short plush	010
11	Green corduroy	011
12	Green flannel	012
13	White flannel	013
14	Light blue corduroy	014
15	Multi-color printed white fabric	015
16	Dark green fabric	016
17	Green printed white fabric	017
18	Fluorescent pink fabric	018
19	Orange fabric	019
20	Orange printed white fabric	020
21	Pink printed white fabric	021
22	Light blue printed white fabric	022
23	Orange printed white fabric	023
24	Multi-color printed white fabric	024
25	Multi-color printed white fabric	025
26	Blue plastic ring	026
27	Cyan plastic ring	027



**RESULTS:**

No.	Test part(s) name	
28	Black/white coating, label	028
29	Black coated white fabric, label	028
30	Pink string	029
31	Orange string	030
32	Green string	031
33	Multi-color printed white synthetic leather	032
34	Yellow/black printed white synthetic leather	033
35	Brown/black printed white synthetic leather	034
36	Grey synthetic leather	035
37	Yellow corduroy	036
38	Green flannel	037
39	Orange flannel	038
40	Yellow flannel	039
41	Dull green corduroy	040
42	Bright yellow fabric	041
43	Light green flannel	042
44	Yellow short plush	043
45	Dark green corduroy	044
46	Black printed white plush	045
47	Yellow printed white fabric	046
48	Grey printed white fabric	047
49	Black flannel	048
50	Orange printed white fabric	049
51	Beige printed white fabric	050
52	Red printed white fabric	051
53	Green printed white fabric	052
54	Yellow plastic ring	053
55	Light green plastic ring	054



**RESULTS:**

No.	Test part(s) name	
56	Orange red string	055
57	Bright yellow string	056
58	Black string	057
59	Earthy yellow string	058
60	Yellow brown string	059
61	Dark green string	060
62	Multi-color printed white synthetic leather	061
63	Multi-color printed white synthetic leather	062
64	Apricot synthetic leather	063
65	Multi-color printed white synthetic leather	064
66	Multi-color printed white synthetic leather	065
67	Multi-color printed white synthetic leather	066
68	Multi-color printed white synthetic leather	067
69	Dark yellow short plush	068
70	Off white short plush	069
71	Light blue short plush	070
72	Dark taupe printed white plush	071
73	Yellow/brown printed white plush	072
74	Yellow corduroy	073
75	Orange printed white fabric	074
76	Orange fabric	075
77	Pale green printed white fabric	076
78	Dark red fabric	077
79	Red printed white fabric	078
80	Yellow brown corduroy	079
81	Dark green printed white fabric	080
82	Multi-color printed white fabric	081
83	Multi-color printed white fabric	082



**RESULTS:**

No.	Test part(s) name	
84	Multi-color printed white fabric	083
85	Orange plastic ring	084
86	Dull green plastic ring	085
87	Brown string	086
88	Dark brown string	087
89	Red string	088
90	Pink flannel	089
91	Earthy yellow flannel	090
92	Silvery plastic, mirror	091
93	White hook tape Velcro	092
94	Transparent plastic	093
95	Grey/white/red fabric	094
96	Blue synthetic leather	095
97	Multi-color printed white synthetic leather	096
98	Dark purple synthetic leather	097
99	Red printed white synthetic leather	098
100	Yellow synthetic leather	099
101	Green synthetic leather	100
102	Light blue synthetic leather	101
103	Multi-color printed white fabric	102
104	Orange red fabric	103
105	Creamy white corduroy	104
106	Creamy white corduroy	105
107	Bright orange corduroy	106
108	Dark fuchsia plush	107
109	Light green printed white fabric	108
110	Light blue printed white fabric	109
111	Dark fuchsia flannel	110





**RESULTS:**

No.	Test part(s) name	
112	Multi-color printed white fabric	111
113	Multi-color printed white fabric	112
114	Bright yellow fabric	113
115	Dark blue printed white fabric	114
116	Off white short plush	115
117	Grey fabric	116
118	Blue white flannel	117
119	Multi-color printed white fabric	118
120	Light yellow string	119
121	Green plastic ring	120
122	Orange plastic ring	121
123	Black/white coating, label	122
124	Black coated white fabric, label	122
125	Multi-color coating, label	123
126	Multi-color coated white fabric, label	123
127	Black printed transparent plastic sticker	124
128	Black printed transparent plastic film	125
129	Translucent plastic	126
130	Transparent PVC, bag	/
131	White plastic, switch	/
132	Creamy string, handle	/
133	Silvery metal, eyelet	/
134	Silvery metal, back of eyelet	/



**RESULTS:**

**Results:**

**(1) Migration of Certain Elements- EN 71-3:2019+A1:2021**

Test Method: EN 71-3:2019+A1:2021

Test Instrument: Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES)  
 Inductively Coupled Plasma Mass Spectrometer (ICP-MS)  
 Liquid Chromatography-Inductively Coupled Plasma Mass Spectrometer (LC-ICP-MS)

Test item(s)	Unit	MDL	Limit (mg/kg)			Result(s)		
			Category 1: dry, brittle, powder-like, or pliable materials	Category 2: liquid, or sticky materials	Category 3: scraped-off materials	1	3	5
Al	mg/kg	2	2250	560	28130	N.D.	N.D.	N.D.
Sb	mg/kg	2	45	11.3	560	N.D.	N.D.	N.D.
As	mg/kg	0.5	3.8	0.9	47	N.D.	N.D.	N.D.
Ba	mg/kg	2	1500	375	18750	N.D.	N.D.	N.D.
B	mg/kg	2	1200	300	15000	N.D.	N.D.	N.D.
Cd	mg/kg	0.2	1.3	0.3	17	N.D.	N.D.	N.D.
Cr III	mg/kg	2	37.5	9.4	460	N.D.	N.D.	N.D.
Cr VI	mg/kg	0.015	0.02	0.005	0.053	N.D.	N.D.	N.D.
Co	mg/kg	2	10.5	2.6	130	N.D.	N.D.	N.D.
Cu	mg/kg	2	622.5	156	7700	N.D.	N.D.	N.D.
Pb	mg/kg	0.2	2.0	0.5	23	N.D.	N.D.	N.D.
Mn	mg/kg	2	1200	300	15000	N.D.	N.D.	N.D.
Hg	mg/kg	1	7.5	1.9	94	N.D.	N.D.	N.D.
Ni	mg/kg	2	75	18.8	930	N.D.	N.D.	N.D.
Se	mg/kg	2	37.5	9.4	460	N.D.	N.D.	N.D.
Sr	mg/kg	2	4500	1125	56000	18	17	18
Sn	mg/kg	0.2	15000	3750	180000	N.D.	N.D.	N.D.
Organic tin	mg/kg	0.2	0.9	0.2	12	N.D.	N.D.	N.D.
Zn	mg/kg	2	3750	938	46000	N.D.	N.D.	N.D.

Test item(s)	Unit	MDL	Limit (mg/kg)	Result(s)
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**RESULTS:**

			Category 1: dry, brittle, powder-like, or pliable materials	Category 2: liquid, or sticky materials	Category 3: scraped-off materials	26	27	28
Al	mg/kg	2	2250	560	28130	N.D.	N.D.	206
Sb	mg/kg	2	45	11.3	560	N.D.	N.D.	N.D.
As	mg/kg	0.5	3.8	0.9	47	N.D.	N.D.	N.D.
Ba	mg/kg	2	1500	375	18750	N.D.	N.D.	N.D.
B	mg/kg	2	1200	300	15000	N.D.	N.D.	N.D.
Cd	mg/kg	0.2	1.3	0.3	17	N.D.	N.D.	N.D.
Cr III	mg/kg	2	37.5	9.4	460	N.D.	N.D.	N.D.
Cr VI	mg/kg	0.015	0.02	0.005	0.053	N.D.	N.D.	N.D.
Co	mg/kg	2	10.5	2.6	130	N.D.	N.D.	N.D.
Cu	mg/kg	2	622.5	156	7700	N.D.	N.D.	N.D.
Pb	mg/kg	0.2	2.0	0.5	23	N.D.	N.D.	N.D.
Mn	mg/kg	2	1200	300	15000	N.D.	N.D.	N.D.
Hg	mg/kg	1	7.5	1.9	94	N.D.	N.D.	N.D.
Ni	mg/kg	2	75	18.8	930	N.D.	N.D.	N.D.
Se	mg/kg	2	37.5	9.4	460	N.D.	N.D.	N.D.
Sr	mg/kg	2	4500	1125	56000	N.D.	N.D.	N.D.
Sn	mg/kg	0.2	15000	3750	180000	N.D.	N.D.	N.D.
Organic tin	mg/kg	0.2	0.9	0.2	12	N.D.	N.D.	N.D.
Zn	mg/kg	2	3750	938	46000	N.D.	N.D.	N.D.

Test item(s)	Unit	MDL	Limit (mg/kg)	Result(s)
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**RESULTS:**

			Category 1: dry, brittle, powder-like, or pliable materials	Category 2: liquid, or sticky materials	Category 3: scraped-off materials	32	33	34
Al	mg/kg	2	2250	560	28130	N.D.	N.D.	N.D.
Sb	mg/kg	2	45	11.3	560	N.D.	N.D.	N.D.
As	mg/kg	0.5	3.8	0.9	47	N.D.	N.D.	N.D.
Ba	mg/kg	2	1500	375	18750	N.D.	N.D.	N.D.
B	mg/kg	2	1200	300	15000	N.D.	N.D.	N.D.
Cd	mg/kg	0.2	1.3	0.3	17	N.D.	N.D.	N.D.
Cr III	mg/kg	2	37.5	9.4	460	N.D.	N.D.	N.D.
Cr VI	mg/kg	0.015	0.02	0.005	0.053	N.D.	N.D.	N.D.
Co	mg/kg	2	10.5	2.6	130	N.D.	N.D.	N.D.
Cu	mg/kg	2	622.5	156	7700	N.D.	N.D.	N.D.
Pb	mg/kg	0.2	2.0	0.5	23	N.D.	N.D.	N.D.
Mn	mg/kg	2	1200	300	15000	N.D.	N.D.	N.D.
Hg	mg/kg	1	7.5	1.9	94	N.D.	N.D.	N.D.
Ni	mg/kg	2	75	18.8	930	N.D.	N.D.	N.D.
Se	mg/kg	2	37.5	9.4	460	N.D.	N.D.	N.D.
Sr	mg/kg	2	4500	1125	56000	N.D.	18	20
Sn	mg/kg	0.2	15000	3750	180000	N.D.	N.D.	N.D.
Organic tin	mg/kg	0.2	0.9	0.2	12	N.D.	N.D.	N.D.
Zn	mg/kg	2	3750	938	46000	N.D.	N.D.	N.D.

Test item(s)	Unit	MDL	Limit (mg/kg)	Result(s)
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**RESULTS:**

			Category 1: dry, brittle, powder-like, or pliable materials	Category 2: liquid, or sticky materials	Category 3: scraped-off materials	53	54	61
Al	mg/kg	2	2250	560	28130	N.D.	N.D.	N.D.
Sb	mg/kg	2	45	11.3	560	N.D.	N.D.	N.D.
As	mg/kg	0.5	3.8	0.9	47	N.D.	N.D.	N.D.
Ba	mg/kg	2	1500	375	18750	N.D.	N.D.	N.D.
B	mg/kg	2	1200	300	15000	N.D.	N.D.	N.D.
Cd	mg/kg	0.2	1.3	0.3	17	N.D.	N.D.	N.D.
Cr III	mg/kg	2	37.5	9.4	460	N.D.	N.D.	N.D.
Cr VI	mg/kg	0.015	0.02	0.005	0.053	N.D.	N.D.	N.D.
Co	mg/kg	2	10.5	2.6	130	N.D.	N.D.	N.D.
Cu	mg/kg	2	622.5	156	7700	N.D.	N.D.	N.D.
Pb	mg/kg	0.2	2.0	0.5	23	N.D.	N.D.	N.D.
Mn	mg/kg	2	1200	300	15000	N.D.	N.D.	N.D.
Hg	mg/kg	1	7.5	1.9	94	N.D.	N.D.	N.D.
Ni	mg/kg	2	75	18.8	930	N.D.	N.D.	N.D.
Se	mg/kg	2	37.5	9.4	460	N.D.	N.D.	N.D.
Sr	mg/kg	2	4500	1125	56000	N.D.	N.D.	N.D.
Sn	mg/kg	0.2	15000	3750	180000	N.D.	N.D.	N.D.
Organic tin	mg/kg	0.2	0.9	0.2	12	N.D.	N.D.	N.D.
Zn	mg/kg	2	3750	938	46000	N.D.	N.D.	N.D.

Test item(s)	Unit	MDL	Limit (mg/kg)	Result(s)
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**RESULTS:**

			Category 1: dry, brittle, powder-like, or pliable materials	Category 2: liquid, or sticky materials	Category 3: scraped-off materials	64	65	84
Al	mg/kg	2	2250	560	28130	N.D.	N.D.	N.D.
Sb	mg/kg	2	45	11.3	560	N.D.	N.D.	N.D.
As	mg/kg	0.5	3.8	0.9	47	N.D.	N.D.	N.D.
Ba	mg/kg	2	1500	375	18750	N.D.	N.D.	N.D.
B	mg/kg	2	1200	300	15000	N.D.	N.D.	N.D.
Cd	mg/kg	0.2	1.3	0.3	17	N.D.	N.D.	N.D.
Cr III	mg/kg	2	37.5	9.4	460	N.D.	N.D.	N.D.
Cr VI	mg/kg	0.015	0.02	0.005	0.053	N.D.	N.D.	N.D.
Co	mg/kg	2	10.5	2.6	130	N.D.	N.D.	N.D.
Cu	mg/kg	2	622.5	156	7700	N.D.	N.D.	N.D.
Pb	mg/kg	0.2	2.0	0.5	23	N.D.	N.D.	N.D.
Mn	mg/kg	2	1200	300	15000	N.D.	N.D.	N.D.
Hg	mg/kg	1	7.5	1.9	94	N.D.	N.D.	N.D.
Ni	mg/kg	2	75	18.8	930	N.D.	N.D.	N.D.
Se	mg/kg	2	37.5	9.4	460	N.D.	N.D.	N.D.
Sr	mg/kg	2	4500	1125	56000	20	20	N.D.
Sn	mg/kg	0.2	15000	3750	180000	N.D.	N.D.	N.D.
Organic tin	mg/kg	0.2	0.9	0.2	12	N.D.	N.D.	N.D.
Zn	mg/kg	2	3750	938	46000	N.D.	N.D.	N.D.

Test item(s)	Unit	MDL	Limit (mg/kg)	Result(s)
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**RESULTS:**

			Category 1: dry, brittle, powder-like, or pliable materials	Category 2: liquid, or sticky materials	Category 3: scraped-off materials	85	91	95
Al	mg/kg	2	2250	560	28130	N.D.	17	N.D.
Sb	mg/kg	2	45	11.3	560	N.D.	N.D.	N.D.
As	mg/kg	0.5	3.8	0.9	47	N.D.	N.D.	N.D.
Ba	mg/kg	2	1500	375	18750	N.D.	N.D.	N.D.
B	mg/kg	2	1200	300	15000	N.D.	N.D.	N.D.
Cd	mg/kg	0.2	1.3	0.3	17	N.D.	N.D.	N.D.
Cr III	mg/kg	2	37.5	9.4	460	N.D.	N.D.	N.D.
Cr VI	mg/kg	0.015	0.02	0.005	0.053	N.D.	N.D.	N.D.
Co	mg/kg	2	10.5	2.6	130	N.D.	N.D.	N.D.
Cu	mg/kg	2	622.5	156	7700	N.D.	N.D.	N.D.
Pb	mg/kg	0.2	2.0	0.5	23	N.D.	N.D.	N.D.
Mn	mg/kg	2	1200	300	15000	N.D.	N.D.	N.D.
Hg	mg/kg	1	7.5	1.9	94	N.D.	N.D.	N.D.
Ni	mg/kg	2	75	18.8	930	N.D.	N.D.	N.D.
Se	mg/kg	2	37.5	9.4	460	N.D.	N.D.	N.D.
Sr	mg/kg	2	4500	1125	56000	N.D.	N.D.	N.D.
Sn	mg/kg	0.2	15000	3750	180000	N.D.	N.D.	N.D.
Organic tin	mg/kg	0.2	0.9	0.2	12	N.D.	N.D.	N.D.
Zn	mg/kg	2	3750	938	46000	N.D.	N.D.	N.D.

Test item(s)	Unit	MDL	Limit (mg/kg)	Result(s)
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**RESULTS:**

			Category 1: dry, brittle, powder-like, or pliable materials	Category 2: liquid, or sticky materials	Category 3: scraped-off materials	96	97
Al	mg/kg	2	2250	560	28130	N.D.	N.D.
Sb	mg/kg	2	45	11.3	560	N.D.	N.D.
As	mg/kg	0.5	3.8	0.9	47	N.D.	N.D.
Ba	mg/kg	2	1500	375	18750	N.D.	N.D.
B	mg/kg	2	1200	300	15000	N.D.	N.D.
Cd	mg/kg	0.2	1.3	0.3	17	N.D.	N.D.
Cr III	mg/kg	2	37.5	9.4	460	N.D.	N.D.
Cr VI	mg/kg	0.015	0.02	0.005	0.053	N.D.	N.D.
Co	mg/kg	2	10.5	2.6	130	N.D.	N.D.
Cu	mg/kg	2	622.5	156	7700	N.D.	N.D.
Pb	mg/kg	0.2	2.0	0.5	23	N.D.	N.D.
Mn	mg/kg	2	1200	300	15000	N.D.	N.D.
Hg	mg/kg	1	7.5	1.9	94	N.D.	N.D.
Ni	mg/kg	2	75	18.8	930	N.D.	N.D.
Se	mg/kg	2	37.5	9.4	460	N.D.	N.D.
Sr	mg/kg	2	4500	1125	56000	20	21
Sn	mg/kg	0.2	15000	3750	180000	N.D.	N.D.
Organic tin	mg/kg	0.2	0.9	0.2	12	N.D.	N.D.
Zn	mg/kg	2	3750	938	46000	N.D.	N.D.

-The Migration content limit is Category 3.

**Remark :**

1. The migration of organic tin is expressed as Tributyltin (TBT).
2. Confirmation test of soluble chromium (III) & chromium (VI) is not required in case of soluble chromium does not exceed their requirements as specified in EN 71-3:2019+A1:2021.
3. Confirmation test of soluble organic tin is not required in case of soluble tin, after conversion, does not exceed the soluble organic tin requirement as specified in EN 71-3:2019+A1:2021.

**(2) Migration of Certain Elements- BS EN 71-3:2019+A1:2021**

Test Method: BS EN 71-3:2019+A1:2021

Test Instrument: Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES),





**RESULTS:**

Inductively Coupled Plasma Mass Spectrometer (ICP-MS)  
 Liquid Chromatography-Inductively Coupled Plasma Mass Spectrometer (LC-ICP-MS)

Test item(s)	Unit	MDL	Limit (mg/kg)			Result(s)		
			Category 1: dry, brittle, powder-like, or pliable materials	Category 2: liquid, or sticky materials	Category 3: scraped-off materials	1	3	5
Al	mg/kg	2	2250	560	28130	N.D.	N.D.	N.D.
Sb	mg/kg	2	45	11.3	560	N.D.	N.D.	N.D.
As	mg/kg	0.5	3.8	0.9	47	N.D.	N.D.	N.D.
Ba	mg/kg	2	1500	375	18750	N.D.	N.D.	N.D.
B	mg/kg	2	1200	300	15000	N.D.	N.D.	N.D.
Cd	mg/kg	0.2	1.3	0.3	17	N.D.	N.D.	N.D.
Cr III	mg/kg	2	37.5	9.4	460	N.D.	N.D.	N.D.
Cr VI	mg/kg	0.015	0.02	0.005	0.053	N.D.	N.D.	N.D.
Co	mg/kg	2	10.5	2.6	130	N.D.	N.D.	N.D.
Cu	mg/kg	2	622.5	156	7700	N.D.	N.D.	N.D.
Pb	mg/kg	0.2	2.0	0.5	23	N.D.	N.D.	N.D.
Mn	mg/kg	2	1200	300	15000	N.D.	N.D.	N.D.
Hg	mg/kg	1	7.5	1.9	94	N.D.	N.D.	N.D.
Ni	mg/kg	2	75	18.8	930	N.D.	N.D.	N.D.
Se	mg/kg	2	37.5	9.4	460	N.D.	N.D.	N.D.
Sr	mg/kg	2	4500	1125	56000	18	17	18
Sn	mg/kg	0.2	15000	3750	180000	N.D.	N.D.	N.D.
Organic tin	mg/kg	0.2	0.9	0.2	12	N.D.	N.D.	N.D.
Zn	mg/kg	2	3750	938	46000	N.D.	N.D.	N.D.

Test item(s)	Unit	MDL	Limit (mg/kg)	Result(s)
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**RESULTS:**

			Category 1: dry, brittle, powder-like, or pliable materials	Category 2: liquid, or sticky materials	Category 3: scraped-off materials	26	27	28
Al	mg/kg	2	2250	560	28130	N.D.	N.D.	206
Sb	mg/kg	2	45	11.3	560	N.D.	N.D.	N.D.
As	mg/kg	0.5	3.8	0.9	47	N.D.	N.D.	N.D.
Ba	mg/kg	2	1500	375	18750	N.D.	N.D.	N.D.
B	mg/kg	2	1200	300	15000	N.D.	N.D.	N.D.
Cd	mg/kg	0.2	1.3	0.3	17	N.D.	N.D.	N.D.
Cr III	mg/kg	2	37.5	9.4	460	N.D.	N.D.	N.D.
Cr VI	mg/kg	0.015	0.02	0.005	0.053	N.D.	N.D.	N.D.
Co	mg/kg	2	10.5	2.6	130	N.D.	N.D.	N.D.
Cu	mg/kg	2	622.5	156	7700	N.D.	N.D.	N.D.
Pb	mg/kg	0.2	2.0	0.5	23	N.D.	N.D.	N.D.
Mn	mg/kg	2	1200	300	15000	N.D.	N.D.	N.D.
Hg	mg/kg	1	7.5	1.9	94	N.D.	N.D.	N.D.
Ni	mg/kg	2	75	18.8	930	N.D.	N.D.	N.D.
Se	mg/kg	2	37.5	9.4	460	N.D.	N.D.	N.D.
Sr	mg/kg	2	4500	1125	56000	N.D.	N.D.	N.D.
Sn	mg/kg	0.2	15000	3750	180000	N.D.	N.D.	N.D.
Organic tin	mg/kg	0.2	0.9	0.2	12	N.D.	N.D.	N.D.
Zn	mg/kg	2	3750	938	46000	N.D.	N.D.	N.D.

Test item(s)	Unit	MDL	Limit (mg/kg)	Result(s)
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**RESULTS:**

			Category 1: dry, brittle, powder-like, or pliable materials	Category 2: liquid, or sticky materials	Category 3: scraped-off materials	32	33	34
Al	mg/kg	2	2250	560	28130	N.D.	N.D.	N.D.
Sb	mg/kg	2	45	11.3	560	N.D.	N.D.	N.D.
As	mg/kg	0.5	3.8	0.9	47	N.D.	N.D.	N.D.
Ba	mg/kg	2	1500	375	18750	N.D.	N.D.	N.D.
B	mg/kg	2	1200	300	15000	N.D.	N.D.	N.D.
Cd	mg/kg	0.2	1.3	0.3	17	N.D.	N.D.	N.D.
Cr III	mg/kg	2	37.5	9.4	460	N.D.	N.D.	N.D.
Cr VI	mg/kg	0.015	0.02	0.005	0.053	N.D.	N.D.	N.D.
Co	mg/kg	2	10.5	2.6	130	N.D.	N.D.	N.D.
Cu	mg/kg	2	622.5	156	7700	N.D.	N.D.	N.D.
Pb	mg/kg	0.2	2.0	0.5	23	N.D.	N.D.	N.D.
Mn	mg/kg	2	1200	300	15000	N.D.	N.D.	N.D.
Hg	mg/kg	1	7.5	1.9	94	N.D.	N.D.	N.D.
Ni	mg/kg	2	75	18.8	930	N.D.	N.D.	N.D.
Se	mg/kg	2	37.5	9.4	460	N.D.	N.D.	N.D.
Sr	mg/kg	2	4500	1125	56000	N.D.	18	20
Sn	mg/kg	0.2	15000	3750	180000	N.D.	N.D.	N.D.
Organic tin	mg/kg	0.2	0.9	0.2	12	N.D.	N.D.	N.D.
Zn	mg/kg	2	3750	938	46000	N.D.	N.D.	N.D.

Test item(s)	Unit	MDL	Limit (mg/kg)	Result(s)
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**RESULTS:**

			Category 1: dry, brittle, powder-like, or pliable materials	Category 2: liquid, or sticky materials	Category 3: scraped-off materials	53	54	61
Al	mg/kg	2	2250	560	28130	N.D.	N.D.	N.D.
Sb	mg/kg	2	45	11.3	560	N.D.	N.D.	N.D.
As	mg/kg	0.5	3.8	0.9	47	N.D.	N.D.	N.D.
Ba	mg/kg	2	1500	375	18750	N.D.	N.D.	N.D.
B	mg/kg	2	1200	300	15000	N.D.	N.D.	N.D.
Cd	mg/kg	0.2	1.3	0.3	17	N.D.	N.D.	N.D.
Cr III	mg/kg	2	37.5	9.4	460	N.D.	N.D.	N.D.
Cr VI	mg/kg	0.015	0.02	0.005	0.053	N.D.	N.D.	N.D.
Co	mg/kg	2	10.5	2.6	130	N.D.	N.D.	N.D.
Cu	mg/kg	2	622.5	156	7700	N.D.	N.D.	N.D.
Pb	mg/kg	0.2	2.0	0.5	23	N.D.	N.D.	N.D.
Mn	mg/kg	2	1200	300	15000	N.D.	N.D.	N.D.
Hg	mg/kg	1	7.5	1.9	94	N.D.	N.D.	N.D.
Ni	mg/kg	2	75	18.8	930	N.D.	N.D.	N.D.
Se	mg/kg	2	37.5	9.4	460	N.D.	N.D.	N.D.
Sr	mg/kg	2	4500	1125	56000	N.D.	N.D.	N.D.
Sn	mg/kg	0.2	15000	3750	180000	N.D.	N.D.	N.D.
Organic tin	mg/kg	0.2	0.9	0.2	12	N.D.	N.D.	N.D.
Zn	mg/kg	2	3750	938	46000	N.D.	N.D.	N.D.

Test item(s)	Unit	MDL	Limit (mg/kg)	Result(s)
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**RESULTS:**

			Category 1: dry, brittle, powder-like, or pliable materials	Category 2: liquid, or sticky materials	Category 3: scraped-off materials	64	65	84
Al	mg/kg	2	2250	560	28130	N.D.	N.D.	N.D.
Sb	mg/kg	2	45	11.3	560	N.D.	N.D.	N.D.
As	mg/kg	0.5	3.8	0.9	47	N.D.	N.D.	N.D.
Ba	mg/kg	2	1500	375	18750	N.D.	N.D.	N.D.
B	mg/kg	2	1200	300	15000	N.D.	N.D.	N.D.
Cd	mg/kg	0.2	1.3	0.3	17	N.D.	N.D.	N.D.
Cr III	mg/kg	2	37.5	9.4	460	N.D.	N.D.	N.D.
Cr VI	mg/kg	0.015	0.02	0.005	0.053	N.D.	N.D.	N.D.
Co	mg/kg	2	10.5	2.6	130	N.D.	N.D.	N.D.
Cu	mg/kg	2	622.5	156	7700	N.D.	N.D.	N.D.
Pb	mg/kg	0.2	2.0	0.5	23	N.D.	N.D.	N.D.
Mn	mg/kg	2	1200	300	15000	N.D.	N.D.	N.D.
Hg	mg/kg	1	7.5	1.9	94	N.D.	N.D.	N.D.
Ni	mg/kg	2	75	18.8	930	N.D.	N.D.	N.D.
Se	mg/kg	2	37.5	9.4	460	N.D.	N.D.	N.D.
Sr	mg/kg	2	4500	1125	56000	20	20	N.D.
Sn	mg/kg	0.2	15000	3750	180000	N.D.	N.D.	N.D.
Organic tin	mg/kg	0.2	0.9	0.2	12	N.D.	N.D.	N.D.
Zn	mg/kg	2	3750	938	46000	N.D.	N.D.	N.D.

Test item(s)	Unit	MDL	Limit (mg/kg)	Result(s)
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**RESULTS:**

			Category 1: dry, brittle, powder-like, or pliable materials	Category 2: liquid, or sticky materials	Category 3: scraped-off materials	85	91	95
Al	mg/kg	2	2250	560	28130	N.D.	17	N.D.
Sb	mg/kg	2	45	11.3	560	N.D.	N.D.	N.D.
As	mg/kg	0.5	3.8	0.9	47	N.D.	N.D.	N.D.
Ba	mg/kg	2	1500	375	18750	N.D.	N.D.	N.D.
B	mg/kg	2	1200	300	15000	N.D.	N.D.	N.D.
Cd	mg/kg	0.2	1.3	0.3	17	N.D.	N.D.	N.D.
Cr III	mg/kg	2	37.5	9.4	460	N.D.	N.D.	N.D.
Cr VI	mg/kg	0.015	0.02	0.005	0.053	N.D.	N.D.	N.D.
Co	mg/kg	2	10.5	2.6	130	N.D.	N.D.	N.D.
Cu	mg/kg	2	622.5	156	7700	N.D.	N.D.	N.D.
Pb	mg/kg	0.2	2.0	0.5	23	N.D.	N.D.	N.D.
Mn	mg/kg	2	1200	300	15000	N.D.	N.D.	N.D.
Hg	mg/kg	1	7.5	1.9	94	N.D.	N.D.	N.D.
Ni	mg/kg	2	75	18.8	930	N.D.	N.D.	N.D.
Se	mg/kg	2	37.5	9.4	460	N.D.	N.D.	N.D.
Sr	mg/kg	2	4500	1125	56000	N.D.	N.D.	N.D.
Sn	mg/kg	0.2	15000	3750	180000	N.D.	N.D.	N.D.
Organic tin	mg/kg	0.2	0.9	0.2	12	N.D.	N.D.	N.D.
Zn	mg/kg	2	3750	938	46000	N.D.	N.D.	N.D.

Test item(s)	Unit	MDL	Limit (mg/kg)	Result(s)
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**RESULTS:**

			Category 1: dry, brittle, powder-like, or pliable materials	Category 2: liquid, or sticky materials	Category 3: scraped-off materials	96	97
Al	mg/kg	2	2250	560	28130	N.D.	N.D.
Sb	mg/kg	2	45	11.3	560	N.D.	N.D.
As	mg/kg	0.5	3.8	0.9	47	N.D.	N.D.
Ba	mg/kg	2	1500	375	18750	N.D.	N.D.
B	mg/kg	2	1200	300	15000	N.D.	N.D.
Cd	mg/kg	0.2	1.3	0.3	17	N.D.	N.D.
Cr III	mg/kg	2	37.5	9.4	460	N.D.	N.D.
Cr VI	mg/kg	0.015	0.02	0.005	0.053	N.D.	N.D.
Co	mg/kg	2	10.5	2.6	130	N.D.	N.D.
Cu	mg/kg	2	622.5	156	7700	N.D.	N.D.
Pb	mg/kg	0.2	2.0	0.5	23	N.D.	N.D.
Mn	mg/kg	2	1200	300	15000	N.D.	N.D.
Hg	mg/kg	1	7.5	1.9	94	N.D.	N.D.
Ni	mg/kg	2	75	18.8	930	N.D.	N.D.
Se	mg/kg	2	37.5	9.4	460	N.D.	N.D.
Sr	mg/kg	2	4500	1125	56000	20	21
Sn	mg/kg	0.2	15000	3750	180000	N.D.	N.D.
Organic tin	mg/kg	0.2	0.9	0.2	12	N.D.	N.D.
Zn	mg/kg	2	3750	938	46000	N.D.	N.D.

-The Migration content limit is Category 3.

**Remark :**

1. The migration of organic tin is expressed as Tributyltin(TBT).
2. Confirmation test of soluble chromium (III) & chromium (VI) is not required in case of soluble chromium does not exceed their requirements as specified in BS EN 71-3:2019+A1:2021.
3. Confirmation test of soluble organic tin is not required in case of soluble tin, after conversion, does not exceed the soluble organic tin requirement as specified in BS EN 71-3:2019+A1:2021.

**(3) Heavy Elements content- ASTM F963-23 (Clause 4.3.5)**

**Standard Consumer Safety Specification for Toy Safety.**

Total Lead (Pb) Content in Surface Coating

Test Method: CPSC-CH-E1003-09.1



**RESULTS:**

Test Instrument: Atomic Absorption Spectrophotometer (AAS)

Test item(s)	Unit	MDL	Limit	Result(s)		
				1+2+3	4+5+6	7+33+34
				28+123+125		
Lead(Pb)	mg/kg	10	90	N.D.		

Total Lead (Pb) Content in Non-Surface Coating Materials (Substrate)

Test Method: CPSC-CH-E1002-08.3

Test Instrument: Atomic Absorption Spectrophotometer (AAS)

Test item(s)	Unit	MDL	Limit	Result(s)		
				1+2+3	4+5+6	7+33+34
				15+17+20		
Lead(Pb)	mg/kg	10	100	N.D.		

Test item(s)	Unit	MDL	Limit	Result(s)		
				15+17+20	21+22+23	24+25+46
				26+27+54		
Lead(Pb)	mg/kg	10	100	N.D.		

Test item(s)	Unit	MDL	Limit	Result(s)		
				26+27+54	35+36+62	47+48+50
				51+52+53		
Lead(Pb)	mg/kg	10	100	N.D.		

Test item(s)	Unit	MDL	Limit	Result(s)		
				51+52+53	55+85+86	63+64+65
				55+85+86		
Lead(Pb)	mg/kg	10	100	N.D.		





**RESULTS:**

Test item(s)	Unit	MDL	Limit	Result(s)		
				66+67+68	72+75+77	79+81+82
Lead(Pb)	mg/kg	10	100	N.D.	N.D.	N.D.

Test item(s)	Unit	MDL	Limit	Result(s)		
				83+84+103	92+93+94	96+97+98
Lead(Pb)	mg/kg	10	100	N.D.	N.D.	N.D.

Test item(s)	Unit	MDL	Limit	Result(s)		
				99+100	101+102	109+110+112
Lead(Pb)	mg/kg	10	100	N.D.	N.D.	N.D.

Test item(s)	Unit	MDL	Limit	Result(s)	
				113+115+119	121+122
Lead(Pb)	mg/kg	10	100	N.D.	N.D.

Soluble elements Content

Test Method: ASTM F 963-23 Section 8.3.5& ASTM F 963-23 Section 8.3.2

Test Instrument: Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES)

Test item(s)	Unit	MDL	Limit	Result(s)				
				1	3	5	26	27
Cadmium(Cd)	mg/kg	5	75	N.D.	N.D.	N.D.	N.D.	N.D.
Lead(Pb)	mg/kg	5	90	N.D.	N.D.	N.D.	N.D.	N.D.
Chromium(Cr)	mg/kg	5	60	N.D.	N.D.	N.D.	N.D.	N.D.
Mercury(Hg)	mg/kg	5	60	N.D.	N.D.	N.D.	N.D.	N.D.
Antimony(Sb)	mg/kg	5	60	N.D.	N.D.	N.D.	N.D.	N.D.
Barium(Ba)	mg/kg	5	1000	N.D.	N.D.	N.D.	N.D.	N.D.
Arsenic(As)	mg/kg	5	25	N.D.	N.D.	N.D.	N.D.	N.D.
Selenium(Se)	mg/kg	5	500	N.D.	N.D.	N.D.	N.D.	N.D.

Test item(s)	Unit	MDL	Limit	Result(s)
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**RESULTS:**

				28	32	33	34	53
Cadmium(Cd)	mg/kg	5	75	N.D.	N.D.	N.D.	N.D.	N.D.
Lead(Pb)	mg/kg	5	90	N.D.	N.D.	N.D.	N.D.	N.D.
Chromium(Cr)	mg/kg	5	60	N.D.	N.D.	N.D.	N.D.	N.D.
Mercury(Hg)	mg/kg	5	60	N.D.	N.D.	N.D.	N.D.	N.D.
Antimony(Sb)	mg/kg	5	60	N.D.	N.D.	N.D.	N.D.	N.D.
Barium(Ba)	mg/kg	5	1000	N.D.	N.D.	N.D.	N.D.	N.D.
Arsenic(As)	mg/kg	5	25	N.D.	N.D.	N.D.	N.D.	N.D.
Selenium(Se)	mg/kg	5	500	N.D.	N.D.	N.D.	N.D.	N.D.

Test item(s)	Unit	MDL	Limit	Result(s)				
				54	61	64	65	84
Cadmium(Cd)	mg/kg	5	75	N.D.	N.D.	N.D.	N.D.	N.D.
Lead(Pb)	mg/kg	5	90	N.D.	N.D.	N.D.	N.D.	N.D.
Chromium(Cr)	mg/kg	5	60	N.D.	N.D.	N.D.	N.D.	N.D.
Mercury(Hg)	mg/kg	5	60	N.D.	N.D.	N.D.	N.D.	N.D.
Antimony(Sb)	mg/kg	5	60	N.D.	N.D.	N.D.	N.D.	N.D.
Barium(Ba)	mg/kg	5	1000	N.D.	N.D.	N.D.	N.D.	N.D.
Arsenic(As)	mg/kg	5	25	N.D.	N.D.	N.D.	N.D.	N.D.
Selenium(Se)	mg/kg	5	500	N.D.	N.D.	N.D.	N.D.	N.D.



**RESULTS:**

Test item(s)	Unit	MDL	Limit	Result(s)				
				85	91	95	96	97
Cadmium(Cd)	mg/kg	5	75	N.D.	N.D.	N.D.	N.D.	N.D.
Lead(Pb)	mg/kg	5	90	N.D.	N.D.	N.D.	N.D.	N.D.
Chromium(Cr)	mg/kg	5	60	N.D.	N.D.	N.D.	N.D.	N.D.
Mercury(Hg)	mg/kg	5	60	N.D.	N.D.	N.D.	N.D.	N.D.
Antimony(Sb)	mg/kg	5	60	N.D.	N.D.	N.D.	N.D.	N.D.
Barium(Ba)	mg/kg	5	1000	N.D.	N.D.	N.D.	N.D.	N.D.
Arsenic(As)	mg/kg	5	25	N.D.	N.D.	N.D.	N.D.	N.D.
Selenium(Se)	mg/kg	5	500	N.D.	N.D.	N.D.	N.D.	N.D.

**(4) Soluble elements Content - AS/NZS ISO 8124.3:2021**

Test Method: AS/NZS ISO 8124.3:2021

Test Instrument: Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES)

Test item(s)	Unit	MDL	Limit	Result(s)				
				1	3	5	26	27
Cadmium(Cd)	mg/kg	5	75	N.D.	N.D.	N.D.	N.D.	N.D.
Lead(Pb)	mg/kg	5	90	N.D.	N.D.	N.D.	N.D.	N.D.
Chromium(Cr)	mg/kg	5	60	N.D.	N.D.	N.D.	N.D.	N.D.
Mercury(Hg)	mg/kg	5	60	N.D.	N.D.	N.D.	N.D.	N.D.
Antimony(Sb)	mg/kg	5	60	N.D.	N.D.	N.D.	N.D.	N.D.
Barium(Ba)	mg/kg	5	1000	N.D.	N.D.	N.D.	N.D.	N.D.
Arsenic(As)	mg/kg	5	25	N.D.	N.D.	N.D.	N.D.	N.D.
Selenium(Se)	mg/kg	5	500	N.D.	N.D.	N.D.	N.D.	N.D.



**RESULTS:**

Test item(s)	Unit	MDL	Limit	Result(s)				
				28	32	33	34	53
Cadmium(Cd)	mg/kg	5	75	N.D.	N.D.	N.D.	N.D.	N.D.
Lead(Pb)	mg/kg	5	90	N.D.	N.D.	N.D.	N.D.	N.D.
Chromium(Cr)	mg/kg	5	60	N.D.	N.D.	N.D.	N.D.	N.D.
Mercury(Hg)	mg/kg	5	60	N.D.	N.D.	N.D.	N.D.	N.D.
Antimony(Sb)	mg/kg	5	60	N.D.	N.D.	N.D.	N.D.	N.D.
Barium(Ba)	mg/kg	5	1000	N.D.	N.D.	N.D.	N.D.	N.D.
Arsenic(As)	mg/kg	5	25	N.D.	N.D.	N.D.	N.D.	N.D.
Selenium(Se)	mg/kg	5	500	N.D.	N.D.	N.D.	N.D.	N.D.

Test item(s)	Unit	MDL	Limit	Result(s)				
				54	61	64	65	84
Cadmium(Cd)	mg/kg	5	75	N.D.	N.D.	N.D.	N.D.	N.D.
Lead(Pb)	mg/kg	5	90	N.D.	N.D.	N.D.	N.D.	N.D.
Chromium(Cr)	mg/kg	5	60	N.D.	N.D.	N.D.	N.D.	N.D.
Mercury(Hg)	mg/kg	5	60	N.D.	N.D.	N.D.	N.D.	N.D.
Antimony(Sb)	mg/kg	5	60	N.D.	N.D.	N.D.	N.D.	N.D.
Barium(Ba)	mg/kg	5	1000	N.D.	N.D.	N.D.	N.D.	N.D.
Arsenic(As)	mg/kg	5	25	N.D.	N.D.	N.D.	N.D.	N.D.
Selenium(Se)	mg/kg	5	500	N.D.	N.D.	N.D.	N.D.	N.D.



**RESULTS:**

Test item(s)	Unit	MDL	Limit	Result(s)				
				85	91	95	96	97
Cadmium(Cd)	mg/kg	5	75	N.D.	N.D.	N.D.	N.D.	N.D.
Lead(Pb)	mg/kg	5	90	N.D.	N.D.	N.D.	N.D.	N.D.
Chromium(Cr)	mg/kg	5	60	N.D.	N.D.	N.D.	N.D.	N.D.
Mercury(Hg)	mg/kg	5	60	N.D.	N.D.	N.D.	N.D.	N.D.
Antimony(Sb)	mg/kg	5	60	N.D.	N.D.	N.D.	N.D.	N.D.
Barium(Ba)	mg/kg	5	1000	N.D.	N.D.	N.D.	N.D.	N.D.
Arsenic(As)	mg/kg	5	25	N.D.	N.D.	N.D.	N.D.	N.D.
Selenium(Se)	mg/kg	5	500	N.D.	N.D.	N.D.	N.D.	N.D.

**(5) Toxicological Hazards content - Toys Regulations (SOR/2011-17 and amendment SOR/2016-195 & SOR/2016-302)**

Test method: With reference to Method C-02.2.2, Method C-02.3.2 , Method C-07 and ASTM F963-23 Section 8.3.5, ASTM F963-23 Section 8.3.2

Test Instrument: Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES)

Test item(s)	Unit	MDL	Limit	Result(s)				
				1	3	5	26	27
Total Lead(Pb)	mg/kg	10	90	N.D.	N.D.	N.D.	N.D.	N.D.
Total Mercury (Hg)	mg/kg	10	10	N.D.	N.D.	N.D.	N.D.	N.D.
Soluble Antimony (Sb)	mg/kg	10	1000	N.D.	N.D.	N.D.	N.D.	N.D.
Soluble Arsenic (As)	mg/kg	10	1000	N.D.	N.D.	N.D.	N.D.	N.D.
Soluble Barium (Ba)	mg/kg	10	1000	N.D.	N.D.	N.D.	N.D.	N.D.
Soluble Cadmium (Cd)	mg/kg	10	1000	N.D.	N.D.	N.D.	N.D.	N.D.
Soluble Selenium (Se)	mg/kg	10	1000	N.D.	N.D.	N.D.	N.D.	N.D.



**RESULTS:**

Test item(s)	Unit	MDL	Limit	Result(s)				
				28	33	34	54	64
Total Lead(Pb)	mg/kg	10	90	N.D.	N.D.	N.D.	N.D.	N.D.
Total Mercury (Hg)	mg/kg	10	10	N.D.	N.D.	N.D.	N.D.	N.D.
Soluble Antimony (Sb)	mg/kg	10	1000	N.D.	N.D.	N.D.	N.D.	N.D.
Soluble Arsenic (As)	mg/kg	10	1000	N.D.	N.D.	N.D.	N.D.	N.D.
Soluble Barium (Ba)	mg/kg	10	1000	N.D.	N.D.	N.D.	N.D.	N.D.
Soluble Cadmium (Cd)	mg/kg	10	1000	N.D.	N.D.	N.D.	N.D.	N.D.
Soluble Selenium (Se)	mg/kg	10	1000	N.D.	N.D.	N.D.	N.D.	N.D.

Test item(s)	Unit	MDL	Limit	Result(s)				
				65	85	96	97	123
Total Lead(Pb)	mg/kg	10	90	N.D.	N.D.	N.D.	N.D.	N.D.
Total Mercury (Hg)	mg/kg	10	10	N.D.	N.D.	N.D.	N.D.	N.D.
Soluble Antimony (Sb)	mg/kg	10	1000	N.D.	N.D.	N.D.	N.D.	N.D.
Soluble Arsenic (As)	mg/kg	10	1000	N.D.	N.D.	N.D.	N.D.	N.D.
Soluble Barium (Ba)	mg/kg	10	1000	N.D.	N.D.	N.D.	N.D.	N.D.
Soluble Cadmium (Cd)	mg/kg	10	1000	N.D.	N.D.	N.D.	N.D.	N.D.
Soluble Selenium (Se)	mg/kg	10	1000	N.D.	N.D.	N.D.	N.D.	N.D.



**RESULTS:**

Test item(s)	Unit	MDL	Limit	Result(s)		
				125		
Total Lead(Pb)	mg/kg	10	90	N.D.		
Total Mercury (Hg)	mg/kg	10	10	N.D.		
Soluble Antimony (Sb)	mg/kg	10	1000	N.D.		
Soluble Arsenic (As)	mg/kg	10	1000	N.D.		
Soluble Barium (Ba)	mg/kg	10	1000	18		
Soluble Cadmium (Cd)	mg/kg	10	1000	N.D.		
Soluble Selenium (Se)	mg/kg	10	1000	N.D.		

**(6) Total lead content - Consumer Product Safety Improvement Act of 2008(H.R. 4040) & H.R.2715 amendment  
 Title 1 section 101**

Total Lead (Pb) Content in Surface Coating

Test Method: CPSC-CH-E1003-09.1

Test Instrument: Atomic Absorption Spectrophotometer (AAS)

Test item(s)	Unit	MDL	Limit	Result(s)		
				28+123+125		
Lead(Pb)	mg/kg	10	90	N.D.		

Total Lead (Pb) Content in Non-Surface Coating Materials (Substrate)

Test Method: CPSC-CH-E1002-08.3

Test Instrument: Atomic Absorption Spectrophotometer (AAS)

Test item(s)	Unit	MDL	Limit	Result(s)		
				1+2+3	4+5+6	7+33+34
Lead(Pb)	mg/kg	10	100	N.D.	N.D.	N.D.

Test item(s)	Unit	MDL	Limit	Result(s)		
				15+17+20	21+22+23	24+25+46
Lead(Pb)	mg/kg	10	100	N.D.	N.D.	N.D.

Test item(s)	Unit	MDL	Limit	Result(s)
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**RESULTS:**

				26+27+54	35+36+62	47+48+50
Lead(Pb)	mg/kg	10	100	N.D.	N.D.	N.D.

Test item(s)	Unit	MDL	Limit	Result(s)		
				51+52+53	55+85+86	63+64+65
Lead(Pb)	mg/kg	10	100	N.D.	N.D.	N.D.

Test item(s)	Unit	MDL	Limit	Result(s)		
				66+67+68	72+75+77	79+81+82
Lead(Pb)	mg/kg	10	100	N.D.	N.D.	N.D.

Test item(s)	Unit	MDL	Limit	Result(s)		
				83+84+103	92+93+94	96+97+98
Lead(Pb)	mg/kg	10	100	N.D.	N.D.	N.D.

Test item(s)	Unit	MDL	Limit	Result(s)		
				99+100	101+102	109+110+112
Lead(Pb)	mg/kg	10	100	N.D.	N.D.	N.D.

Test item(s)	Unit	MDL	Limit	Result(s)	
				113+115+119	121+122
Lead(Pb)	mg/kg	10	100	N.D.	N.D.

**(7) Total lead content - California "Proposition 65"**

Total Lead (Pb) Content in Surface Coating

Test Method: CPSC-CH-E1003-09.1

Test Instrument: Atomic Absorption Spectrophotometer (AAS)

Test item(s)	Unit	MDL	Limit	Result(s)
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**RESULTS:**

				28+123+125
Lead(Pb)	mg/kg	10	90	N.D.

Total Lead (Pb) Content in Non-Surface Coating Materials (Substrate)

Test Method: CPSC-CH-E1002-08.3

Test Instrument: Atomic Absorption Spectrophotometer (AAS)

Test item(s)	Unit	MDL	Limit	Result(s)		
				1+2+3	4+5+6	7+33+34
Lead(Pb)	mg/kg	10	100	N.D.	N.D.	N.D.

Test item(s)	Unit	MDL	Limit	Result(s)		
				15+17+20	21+22+23	24+25+46
Lead(Pb)	mg/kg	10	100	N.D.	N.D.	N.D.

Test item(s)	Unit	MDL	Limit	Result(s)		
				26+27+54	35+36+62	47+48+50
Lead(Pb)	mg/kg	10	100	N.D.	N.D.	N.D.

Test item(s)	Unit	MDL	Limit	Result(s)		
				51+52+53	55+85+86	63+64+65
Lead(Pb)	mg/kg	10	100	N.D.	N.D.	N.D.



**RESULTS:**

Test item(s)	Unit	MDL	Limit	Result(s)		
				66+67+68	72+75+77	79+81+82
Lead(Pb)	mg/kg	10	100	N.D.	N.D.	N.D.

Test item(s)	Unit	MDL	Limit	Result(s)		
				83+84+103	92+93+94	96+97+98
Lead(Pb)	mg/kg	10	100	N.D.	N.D.	N.D.

Test item(s)	Unit	MDL	Limit	Result(s)		
				99+100	101+102	109+110+112
Lead(Pb)	mg/kg	10	100	N.D.	N.D.	N.D.

Test item(s)	Unit	MDL	Limit	Result(s)	
				113+115+119	121+122
Lead(Pb)	mg/kg	10	100	N.D.	N.D.

**(8) Total Lead content - Consumer Products Containing Lead Regulations SOR/2018-83**

Test method: With reference to Method C02.3.2:2021 & C02.2.2:2020

Test Instrument: Atomic Absorption Spectrophotometer (AAS)

Test item(s)	Unit	MDL	Limit	Result(s)		
				1+2+3	4+5+6	7+33+34
Total Lead(Pb)	mg/kg	10	90	N.D.	N.D.	N.D.

Test item(s)	Unit	MDL	Limit	Result(s)		
				15+17+20	21+22+23	24+25+46
Total Lead(Pb)	mg/kg	10	90	N.D.	N.D.	N.D.



**RESULTS:**

Test item(s)	Unit	MDL	Limit	Result(s)		
				26+27+54	28+123+125	35+36+62
Total Lead(Pb)	mg/kg	10	90	N.D.	N.D.	N.D.

Test item(s)	Unit	MDL	Limit	Result(s)		
				47+48+50	51+52+53	55+85+86
Total Lead(Pb)	mg/kg	10	90	N.D.	N.D.	N.D.

Test item(s)	Unit	MDL	Limit	Result(s)		
				63+64+65	66+67+68	72+75+77
Total Lead(Pb)	mg/kg	10	90	N.D.	N.D.	N.D.

Test item(s)	Unit	MDL	Limit	Result(s)		
				79+81+82	83+84+103	92+93+94
Total Lead(Pb)	mg/kg	10	90	N.D.	N.D.	N.D.

Test item(s)	Unit	MDL	Limit	Result(s)		
				96+97+98	99+100	101+102
Total Lead(Pb)	mg/kg	10	90	N.D.	N.D.	N.D.

Test item(s)	Unit	MDL	Limit	Result(s)		
				109+110+112	113+115+119	121+122
Total Lead(Pb)	mg/kg	10	90	N.D.	N.D.	N.D.



**RESULTS:**

**(9) Total Lead content - Canada Surface coating materials regulations(SOR/2016-193&SOR/2022-122)**

Test Method: With reference to Method C02.2.2:2020

Test Instrument: Atomic Absorption Spectrophotometer (AAS)

Test item(s)	Unit	MDL	Limit	Result(s)	
				28+123+125	
Lead(Pb)	mg/kg	10	90	N.D.	

**(10) Total lead content - 16 CFR 1303**

Total Lead (Pb) Content in Surface Coating

Test Method: CPSC-CH-E1003-09.1

Test Instrument: Atomic Absorption Spectrophotometer (AAS)

Test item(s)	Unit	MDL	Limit	Result(s)	
				28+123+125	
Lead(Pb)	mg/kg	10	90	N.D.	

**(11) Specific Migration of Bisphenol A (BPA)- Directive 2009/48/EC and its amendment Directive (EU) 2017/898.**

Test Method: EN 71-10:2005& EN 71-11:2005

Test Instrument: High Performance Liquid Chromatography (HPLC)

Test item(s)	Unit	MDL	Limit	Result(s)	
				1+2+3	61+62+63
Specific Migration of Bisphenol A (BPA)	mg/L	0.02	0.04	N.D.	N.D.

Test item(s)	Unit	MDL	Limit	Result(s)	
				84+85	91
Specific Migration of Bisphenol A (BPA)	mg/L	0.02	0.04	N.D.	N.D.

**(12) Phthalates content- Consumer Product Safety Improvement Act of 2008(H.R. 4040) & H.R.2715 amendment & 16 CFR Part 1307-Prohibition of Children Toys and Child Care Articles Containing Specified Phthalates.**

Test Method: CPSC-CH-C1001-09.4

Test Instrument: Gas Chromatography-Mass Spectrometer (GC-MS)



**RESULTS:**

Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)	
					1+2+3	4+5+6
Bis (2-ethylhexyl) phthalate (DEHP)	117-81-7	mg/kg	50	1000	N.D.	N.D.
Dibutyl phthalate (DBP)	84-74-2	mg/kg	50	1000	N.D.	N.D.
Benzyl butyl phthalate (BBP)	85-68-7	mg/kg	50	1000	N.D.	N.D.
Di-iso-nonyl phthalate (DINP)	28553-12-0 68515-48-0	mg/kg	100	1000	N.D.	N.D.
Diisobutyl phthalate (DIBP)	84-69-5	mg/kg	50	1000	N.D.	N.D.
Di-n-pentyl Phthalate (DPENP)	131-18-0	mg/kg	50	1000	N.D.	N.D.
Di-n-hexyl Phthalate (DHEXP)	84-75-3	mg/kg	50	1000	N.D.	N.D.
Dicyclohexyl Phthalate (DCHP)	84-61-7	mg/kg	50	1000	N.D.	N.D.

Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)	
					7+33+34	26+27+54
Bis (2-ethylhexyl) phthalate (DEHP)	117-81-7	mg/kg	50	1000	N.D.	N.D.
Dibutyl phthalate (DBP)	84-74-2	mg/kg	50	1000	N.D.	N.D.
Benzyl butyl phthalate (BBP)	85-68-7	mg/kg	50	1000	N.D.	N.D.
Di-iso-nonyl phthalate (DINP)	28553-12-0 68515-48-0	mg/kg	100	1000	N.D.	N.D.
Diisobutyl phthalate (DIBP)	84-69-5	mg/kg	50	1000	N.D.	N.D.
Di-n-pentyl Phthalate (DPENP)	131-18-0	mg/kg	50	1000	N.D.	N.D.
Di-n-hexyl Phthalate (DHEXP)	84-75-3	mg/kg	50	1000	N.D.	N.D.
Dicyclohexyl Phthalate (DCHP)	84-61-7	mg/kg	50	1000	N.D.	N.D.



**RESULTS:**

Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)	
					28+123+125	35+36+62
Bis (2-ethylhexyl) phthalate (DEHP)	117-81-7	mg/kg	50	1000	N.D.	N.D.
Dibutyl phthalate (DBP)	84-74-2	mg/kg	50	1000	N.D.	N.D.
Benzyl butyl phthalate (BBP)	85-68-7	mg/kg	50	1000	N.D.	N.D.
Di-iso-nonyl phthalate (DINP)	28553-12-0 68515-48-0	mg/kg	100	1000	N.D.	N.D.
Diisobutyl phthalate (DIBP)	84-69-5	mg/kg	50	1000	N.D.	N.D.
Di-n-pentyl Phthalate (DPENP)	131-18-0	mg/kg	50	1000	N.D.	N.D.
Di-n-hexyl Phthalate (DHEXP)	84-75-3	mg/kg	50	1000	N.D.	N.D.
Dicyclohexyl Phthalate (DCHP)	84-61-7	mg/kg	50	1000	N.D.	N.D.

Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)	
					55+85+86	63+64+65
Bis (2-ethylhexyl) phthalate (DEHP)	117-81-7	mg/kg	50	1000	N.D.	N.D.
Dibutyl phthalate (DBP)	84-74-2	mg/kg	50	1000	N.D.	N.D.
Benzyl butyl phthalate (BBP)	85-68-7	mg/kg	50	1000	N.D.	N.D.
Di-iso-nonyl phthalate (DINP)	28553-12-0 68515-48-0	mg/kg	100	1000	N.D.	N.D.
Diisobutyl phthalate (DIBP)	84-69-5	mg/kg	50	1000	N.D.	N.D.
Di-n-pentyl Phthalate (DPENP)	131-18-0	mg/kg	50	1000	N.D.	N.D.
Di-n-hexyl Phthalate (DHEXP)	84-75-3	mg/kg	50	1000	N.D.	N.D.
Dicyclohexyl Phthalate (DCHP)	84-61-7	mg/kg	50	1000	N.D.	N.D.



**RESULTS:**

Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)	
					66+67+68	92+93+94
Bis (2-ethylhexyl) phthalate (DEHP)	117-81-7	mg/kg	50	1000	N.D.	N.D.
Dibutyl phthalate (DBP)	84-74-2	mg/kg	50	1000	N.D.	N.D.
Benzyl butyl phthalate (BBP)	85-68-7	mg/kg	50	1000	N.D.	N.D.
Di-iso-nonyl phthalate (DINP)	28553-12-0 68515-48-0	mg/kg	100	1000	N.D.	N.D.
Diisobutyl phthalate (DIBP)	84-69-5	mg/kg	50	1000	N.D.	N.D.
Di-n-pentyl Phthalate (DPENP)	131-18-0	mg/kg	50	1000	N.D.	N.D.
Di-n-hexyl Phthalate (DHEXP)	84-75-3	mg/kg	50	1000	N.D.	N.D.
Dicyclohexyl Phthalate (DCHP)	84-61-7	mg/kg	50	1000	N.D.	N.D.

Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)	
					96+97+98	99+100
Bis (2-ethylhexyl) phthalate (DEHP)	117-81-7	mg/kg	50	1000	N.D.	N.D.
Dibutyl phthalate (DBP)	84-74-2	mg/kg	50	1000	N.D.	N.D.
Benzyl butyl phthalate (BBP)	85-68-7	mg/kg	50	1000	N.D.	N.D.
Di-iso-nonyl phthalate (DINP)	28553-12-0 68515-48-0	mg/kg	100	1000	N.D.	N.D.
Diisobutyl phthalate (DIBP)	84-69-5	mg/kg	50	1000	N.D.	N.D.
Di-n-pentyl Phthalate (DPENP)	131-18-0	mg/kg	50	1000	N.D.	N.D.
Di-n-hexyl Phthalate (DHEXP)	84-75-3	mg/kg	50	1000	N.D.	N.D.
Dicyclohexyl Phthalate (DCHP)	84-61-7	mg/kg	50	1000	N.D.	N.D.



**RESULTS:**

Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)	
					101+102	121+122
Bis (2-ethylhexyl) phthalate (DEHP)	117-81-7	mg/kg	50	1000	N.D.	N.D.
Dibutyl phthalate (DBP)	84-74-2	mg/kg	50	1000	N.D.	N.D.
Benzyl butyl phthalate (BBP)	85-68-7	mg/kg	50	1000	N.D.	N.D.
Di-iso-nonyl phthalate (DINP)	28553-12-0 68515-48-0	mg/kg	100	1000	N.D.	N.D.
Diisobutyl phthalate (DIBP)	84-69-5	mg/kg	50	1000	N.D.	N.D.
Di-n-pentyl Phthalate (DPENP)	131-18-0	mg/kg	50	1000	N.D.	N.D.
Di-n-hexyl Phthalate (DHEXP)	84-75-3	mg/kg	50	1000	N.D.	N.D.
Dicyclohexyl Phthalate (DCHP)	84-61-7	mg/kg	50	1000	N.D.	N.D.

**(13)Phthalates content- California "Proposition 65".**

Test Method: CPSC-CH-C1001-09.4

Test Instrument: Gas Chromatography - Mass Spectrometer (GC-MS)

Test item(s)	Unit	MDL	Limit	Result(s)		
				1+2+3	4+5+6	7+33+34
Bis (2-ethylhexyl) phthalate (DEHP)	mg/kg	50	1000	N.D.	N.D.	N.D.
Dibutyl phthalate (DBP)	mg/kg	50	1000	N.D.	N.D.	N.D.
Benzyl butyl phthalate (BBP)	mg/kg	50	1000	N.D.	N.D.	N.D.
Di-n-hexyl phthalate (DNHP)	mg/kg	50	1000	N.D.	N.D.	N.D.
Diisodecyl phthalate (DIDP)	mg/kg	100	1000	N.D.	N.D.	N.D.
Di-iso-nonyl phthalate (DINP)	mg/kg	100	1000	N.D.	N.D.	N.D.





**RESULTS:**

Test item(s)	Unit	MDL	Limit	Result(s)		
				26+27+54	28+123 +125	35+36+62
Bis (2-ethylhexyl) phthalate (DEHP)	mg/kg	50	1000	N.D.	N.D.	N.D.
Dibutyl phthalate (DBP)	mg/kg	50	1000	N.D.	N.D.	N.D.
Benzyl butyl phthalate (BBP)	mg/kg	50	1000	N.D.	N.D.	N.D.
Di-n-hexyl phthalate (DNHP)	mg/kg	50	1000	N.D.	N.D.	N.D.
Diisodecyl phthalate (DIDP)	mg/kg	100	1000	N.D.	N.D.	N.D.
Di-iso-nonyl phthalate (DINP)	mg/kg	100	1000	N.D.	N.D.	N.D.

Test item(s)	Unit	MDL	Limit	Result(s)		
				55+85+86	63+64+65	66+67+68
Bis (2-ethylhexyl) phthalate (DEHP)	mg/kg	50	1000	N.D.	N.D.	N.D.
Dibutyl phthalate (DBP)	mg/kg	50	1000	N.D.	N.D.	N.D.
Benzyl butyl phthalate (BBP)	mg/kg	50	1000	N.D.	N.D.	N.D.
Di-n-hexyl phthalate (DNHP)	mg/kg	50	1000	N.D.	N.D.	N.D.
Diisodecyl phthalate (DIDP)	mg/kg	100	1000	N.D.	N.D.	N.D.
Di-iso-nonyl phthalate (DINP)	mg/kg	100	1000	N.D.	N.D.	N.D.

Test item(s)	Unit	MDL	Limit	Result(s)		
				92+93+94	96+97+98	99+100
Bis (2-ethylhexyl) phthalate (DEHP)	mg/kg	50	1000	N.D.	N.D.	N.D.
Dibutyl phthalate (DBP)	mg/kg	50	1000	N.D.	N.D.	N.D.
Benzyl butyl phthalate (BBP)	mg/kg	50	1000	N.D.	N.D.	N.D.
Di-n-hexyl phthalate (DNHP)	mg/kg	50	1000	N.D.	N.D.	N.D.
Diisodecyl phthalate (DIDP)	mg/kg	100	1000	N.D.	N.D.	N.D.
Di-iso-nonyl phthalate (DINP)	mg/kg	100	1000	N.D.	N.D.	N.D.



**RESULTS:**

Test item(s)	Unit	MDL	Limit	Result(s)	
				101+102	121+122
Bis (2-ethylhexyl) phthalate (DEHP)	mg/kg	50	1000	N.D.	N.D.
Dibutyl phthalate (DBP)	mg/kg	50	1000	N.D.	N.D.
Benzyl butyl phthalate (BBP)	mg/kg	50	1000	N.D.	N.D.
Di-n-hexyl phthalate (DNHP)	mg/kg	50	1000	N.D.	N.D.
Diisodecyl phthalate (DIDP)	mg/kg	100	1000	N.D.	N.D.
Di-iso-nonyl phthalate (DINP)	mg/kg	100	1000	N.D.	N.D.

**(14)Phthalates content- Item 51& 52 of Annex XVII of REACH Regulation (EC) 1907/2006**

Test Method: With reference to EN 14372:2004(E)

Test Instrument: Gas Chromatography-Mass Spectrometer (GC-MS)

Test item(s)	Unit	MDL	Limit	Result(s)		
				1+2+3	4+5+6	7+33+34
Bis-(2-ethylhexyl)Phthalate (DEHP)	mg/kg	50	1000	N.D.	N.D.	N.D.
Dibutyl Phthalate (DBP)	mg/kg	50	1000	N.D.	N.D.	N.D.
Benzylbutyl Phthalate (BBP)	mg/kg	50	1000	N.D.	N.D.	N.D.
Diisobutyl phthalate (DIBP)	mg/kg	50	1000	N.D.	N.D.	N.D.
Total(DEHP+ DBP+BBP+ DIBP)	mg/kg	/	1000	N.D.	N.D.	N.D.
Diisononyl Phthalate (DINP)	mg/kg	100	/	N.D.	N.D.	N.D.
Diisodecyl Phthalate (DIDP)	mg/kg	100	/	N.D.	N.D.	N.D.
Di-n-octyl Phthalate (DNOP)	mg/kg	50	/	N.D.	N.D.	N.D.
Total(DINP+ DIDP+DNOP)	mg/kg	/	1000	N.D.	N.D.	N.D.



**RESULTS:**

Test item(s)	Unit	MDL	Limit	Result(s)		
				26+27+54	28+123+125	35+36+62
Bis-(2-ethylhexyl)Phthalate (DEHP)	mg/kg	50	1000	N.D.	N.D.	N.D.
Dibutyl Phthalate (DBP)	mg/kg	50	1000	N.D.	N.D.	N.D.
Benzylbutyl Phthalate (BBP)	mg/kg	50	1000	N.D.	N.D.	N.D.
Diisobutyl phthalate (DIBP)	mg/kg	50	1000	N.D.	N.D.	N.D.
Total(DEHP+ DBP+BBP+ DIBP)	mg/kg	/	1000	N.D.	N.D.	N.D.
Diisononyl Phthalate (DINP)	mg/kg	100	/	N.D.	N.D.	N.D.
Diisodecyl Phthalate (DIDP)	mg/kg	100	/	N.D.	N.D.	N.D.
Di-n-octyl Phthalate (DNOP)	mg/kg	50	/	N.D.	N.D.	N.D.
Total(DINP+ DIDP+DNOP)	mg/kg	/	1000	N.D.	N.D.	N.D.

Test item(s)	Unit	MDL	Limit	Result(s)		
				55+85+86	63+64+65	66+67+68
Bis-(2-ethylhexyl)Phthalate (DEHP)	mg/kg	50	1000	N.D.	N.D.	N.D.
Dibutyl Phthalate (DBP)	mg/kg	50	1000	N.D.	N.D.	N.D.
Benzylbutyl Phthalate (BBP)	mg/kg	50	1000	N.D.	N.D.	N.D.
Diisobutyl phthalate (DIBP)	mg/kg	50	1000	N.D.	N.D.	N.D.
Total(DEHP+ DBP+BBP+ DIBP)	mg/kg	/	1000	N.D.	N.D.	N.D.
Diisononyl Phthalate (DINP)	mg/kg	100	/	N.D.	N.D.	N.D.
Diisodecyl Phthalate (DIDP)	mg/kg	100	/	N.D.	N.D.	N.D.
Di-n-octyl Phthalate (DNOP)	mg/kg	50	/	N.D.	N.D.	N.D.
Total(DINP+ DIDP+DNOP)	mg/kg	/	1000	N.D.	N.D.	N.D.



**RESULTS:**

Test item(s)	Unit	MDL	Limit	Result(s)		
				92+93+94	96+97+98	99+100
Bis-(2-ethylhexyl)Phthalate (DEHP)	mg/kg	50	1000	N.D.	N.D.	N.D.
Dibutyl Phthalate (DBP)	mg/kg	50	1000	N.D.	N.D.	N.D.
Benzylbutyl Phthalate (BBP)	mg/kg	50	1000	N.D.	N.D.	N.D.
Diisobutyl phthalate (DIBP)	mg/kg	50	1000	N.D.	N.D.	N.D.
Total(DEHP+ DBP+BBP+ DIBP)	mg/kg	/	1000	N.D.	N.D.	N.D.
Diisononyl Phthalate (DINP)	mg/kg	100	/	N.D.	N.D.	N.D.
Diisodecyl Phthalate (DIDP)	mg/kg	100	/	N.D.	N.D.	N.D.
Di-n-octyl Phthalate (DNOP)	mg/kg	50	/	N.D.	N.D.	N.D.
Total(DINP+ DIDP+DNOP)	mg/kg	/	1000	N.D.	N.D.	N.D.

Test item(s)	Unit	MDL	Limit	Result(s)	
				101+102	121+122
Bis-(2-ethylhexyl)Phthalate (DEHP)	mg/kg	50	1000	N.D.	N.D.
Dibutyl Phthalate (DBP)	mg/kg	50	1000	N.D.	N.D.
Benzylbutyl Phthalate (BBP)	mg/kg	50	1000	N.D.	N.D.
Diisobutyl phthalate (DIBP)	mg/kg	50	1000	N.D.	N.D.
Total(DEHP+ DBP+BBP+ DIBP)	mg/kg	/	1000	N.D.	N.D.
Diisononyl Phthalate (DINP)	mg/kg	100	/	N.D.	N.D.
Diisodecyl Phthalate (DIDP)	mg/kg	100	/	N.D.	N.D.
Di-n-octyl Phthalate (DNOP)	mg/kg	50	/	N.D.	N.D.
Total(DINP+ DIDP+DNOP)	mg/kg	/	1000	N.D.	N.D.



**RESULTS:**

**(15) Phthalates content- Canada Consumer Product Safety Act : Phthalates Regulations (SOR/2016-188)**

Test Method: Health Canada Method C34:2018

Test Instrument: Gas Chromatography-Mass Spectrometer (GC-MS)

Test item(s)	Unit	MDL	Limit	Result(s)	
				-	
Bis-(2-ethylhexyl)Phthalate (DEHP)	mg/kg	50	1000	N.A.	
Dibutyl Phthalate (DBP)	mg/kg	50	1000	N.A.	
Benzylbutyl Phthalate (BBP)	mg/kg	50	1000	N.A.	
Di-n-octyl Phthalate (DNOP)	mg/kg	50	1000	N.A.	
Diisononyl Phthalate (DINP)	mg/kg	100	1000	N.A.	
Diisodecyl Phthalate (DIDP)	mg/kg	100	1000	N.A.	

Note: No PVC materials presented on the received sample(s). Therefore, the phthalates content analysis of PVC materials according to Canada Consumer Product Safety Act, Phthalate Regulations, SOR/2016-188, was not conducted.

**(16) Phthalates content- Australia Competition and Consumer Act 2010 in children's products - Consumer Protection Notice No. 11 of 2011**

Test Method: With reference to EN 14372:2004

Test Instrument: Gas Chromatography-Mass Spectrometer (GC-MS)

Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)	
					1+2+3	4+5+6
Bis (2-ethylhexyl) phthalate (DEHP)	117-81-7	mg/kg	50	10000	N.D.	N.D.

Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)	
					7+33+34	26+27+54
Bis (2-ethylhexyl) phthalate (DEHP)	117-81-7	mg/kg	50	10000	N.D.	N.D.



**RESULTS:**

Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)	
					35+36+62	55+85+86
Bis (2-ethylhexyl) phthalate (DEHP)	117-81-7	mg/kg	50	10000	N.D.	N.D.

Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)	
					63+64+65	66+67+68
Bis (2-ethylhexyl) phthalate (DEHP)	117-81-7	mg/kg	50	10000	N.D.	N.D.

Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)	
					92+93+94	96+97+98
Bis (2-ethylhexyl) phthalate (DEHP)	117-81-7	mg/kg	50	10000	N.D.	N.D.

Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)	
					99+100	101+102
Bis (2-ethylhexyl) phthalate (DEHP)	117-81-7	mg/kg	50	10000	N.D.	N.D.

Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)	
					121+122	
Bis (2-ethylhexyl) phthalate (DEHP)	117-81-7	mg/kg	50	10000	N.D.	



**RESULTS:**

**(17)Phthalates content**

Test Method: With reference to CPSC-CH-C1001-09.4

Test Instrument: Gas Chromatography-Mass Spectrometer (GC-MS)

Test item(s)	CAS No.	Unit	MDL	Client Limit	Result(s)	
					1+2+3	4+5+6
Benzyl butyl phthalate(BBP)	85-68-7	mg/kg	50	1000	N.D.	N.D.
Dibutyl phthalate (DBP)	84-74-2	mg/kg	50	1000	N.D.	N.D.
Di-2-ethylhexyl phthalate (DEHP)	117-81-7	mg/kg	50	1000	N.D.	N.D.
Diisobutyl phthalate(DIBP)	84-69-5	mg/kg	50	1000	N.D.	N.D.
Di(2-methoxyethy) phthalate (DMEP)	117-82-8	mg/kg	50	1000	N.D.	N.D.
1,2-Benzenedicarboxylic acid, dipentylester, branched and linear(DPP)	131-18-0	mg/kg	50	1000	N.D.	N.D.
1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	mg/kg	50	1000	N.D.	N.D.
n-Pentyl –isopentylphthalate(nPiPP)	776297-69-9	mg/kg	50	1000	N.D.	N.D.
Diisopentyl phthalate(DIPP)	605-50-5	mg/kg	50	1000	N.D.	N.D.
1,2-Benzenedicarboxylic acid, dipentylester branched and linear	84777-06-0	mg/kg	50	1000	N.D.	N.D.
1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)	71888-89-6	mg/kg	50	1000	N.D.	N.D.
1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP)	68515-42-4	mg/kg	50	1000	N.D.	N.D.
Di-n-hexyl Phthalate(DHP)	84-75-3	mg/kg	50	1000	N.D.	N.D.
1,2-benzenedicarboxylic acid, diC6-10-alkyl esters or mixed decyl and hexyl and octyl diesters with ≥0.3% of dihexyl phthalate (EC No.201-559-5)	68515-51-5 68648-93-1	mg/kg	50	1000	N.D.	N.D.
Di-iso-nonyl phthalate (DINP)	28553-12-0	mg/kg	50	1000	N.D.	N.D.
Diisodecyl Phthalate (DIDP)	26761-40-0	mg/kg	50	1000	N.D.	N.D.
Di-n-octyl Phthalate(DNOP)	117-84-0	mg/kg	50	1000	N.D.	N.D.



**RESULTS:**

Test item(s)	CAS No.	Unit	MDL	Client Limit	Result(s)	
					1+2+3	4+5+6
Diethyl Phthalate(DEP)	84-66-2	mg/kg	50	1000	N.D.	N.D.
Dicyclohexyl phthalate (DCHP)	84-61-7	mg/kg	50	1000	N.D.	N.D.

Test item(s)	CAS No.	Unit	MDL	Client Limit	Result(s)	
					7+33+34	26+27+54
Benzyl butyl phthalate(BBP)	85-68-7	mg/kg	50	1000	N.D.	N.D.
Dibutyl phthalate (DBP)	84-74-2	mg/kg	50	1000	N.D.	N.D.
Di-2-ethylhexyl phthalate (DEHP)	117-81-7	mg/kg	50	1000	N.D.	N.D.
Diisobutyl phthalate(DIBP)	84-69-5	mg/kg	50	1000	N.D.	N.D.
Di(2-methoxyethyl) phthalate (DMEP)	117-82-8	mg/kg	50	1000	N.D.	N.D.
1,2-Benzenedicarboxylic acid, dipentylester, branched and linear(DPP)	131-18-0	mg/kg	50	1000	N.D.	N.D.
1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	mg/kg	50	1000	N.D.	N.D.
n-Pentyl –isopentylphthalate(nPiPP)	776297-69-9	mg/kg	50	1000	N.D.	N.D.
Diisopentyl phthalate(DIPP)	605-50-5	mg/kg	50	1000	N.D.	N.D.
1,2-Benzenedicarboxylic acid, dipentylester branched and linear	84777-06-0	mg/kg	50	1000	N.D.	N.D.
1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)	71888-89-6	mg/kg	50	1000	N.D.	N.D.
1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP)	68515-42-4	mg/kg	50	1000	N.D.	N.D.
Di-n-hexyl Phthalate(DHP)	84-75-3	mg/kg	50	1000	N.D.	N.D.
1,2-benzenedicarboxylic acid, diC6-10-alkyl esters or mixed decyl and hexyl and octyl diesters with ≥0.3% of dihexyl phthalate (EC No.201-559-5)	68515-51-5 68648-93-1	mg/kg	50	1000	N.D.	N.D.





**RESULTS:**

Test item(s)	CAS No.	Unit	MDL	Client Limit	Result(s)	
					7+33+34	26+27+54
Di-iso-nonyl phthalate (DINP)	28553-12-0	mg/kg	50	1000	N.D.	N.D.
Diisodecyl Phthalate (DIDP)	26761-40-0	mg/kg	50	1000	N.D.	N.D.
Di-n-octyl Phthalate(DNOP)	117-84-0	mg/kg	50	1000	N.D.	N.D.
Diethyl Phthalate(DEP)	84-66-2	mg/kg	50	1000	N.D.	N.D.
Dicyclohexyl phthalate (DCHP)	84-61-7	mg/kg	50	1000	N.D.	N.D.

Test item(s)	CAS No.	Unit	MDL	Client Limit	Result(s)	
					28+123+125	35+36+62
Benzyl butyl phthalate(BBP)	85-68-7	mg/kg	50	1000	N.D.	N.D.
Dibutyl phthalate (DBP)	84-74-2	mg/kg	50	1000	N.D.	N.D.
Di-2-ethylhexyl phthalate (DEHP)	117-81-7	mg/kg	50	1000	N.D.	N.D.
Diisobutyl phthalate(DIBP)	84-69-5	mg/kg	50	1000	N.D.	N.D.
Di(2-methoxyethy) phthalate (DMEP)	117-82-8	mg/kg	50	1000	N.D.	N.D.
1,2-Benzenedicarboxylic acid, dipentylester, branched and linear(DPP)	131-18-0	mg/kg	50	1000	N.D.	N.D.
1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	mg/kg	50	1000	N.D.	N.D.
n-Pentyl –isopentylphthalate(nPiPP)	776297-69-9	mg/kg	50	1000	N.D.	N.D.
Diisopentyl phthalate(DIPP)	605-50-5	mg/kg	50	1000	N.D.	N.D.
1,2-Benzenedicarboxylic acid, dipentylester branched and linear	84777-06-0	mg/kg	50	1000	N.D.	N.D.
1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)	71888-89-6	mg/kg	50	1000	N.D.	N.D.
1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP)	68515-42-4	mg/kg	50	1000	N.D.	N.D.
Di-n-hexyl Phthalate(DHP)	84-75-3	mg/kg	50	1000	N.D.	N.D.
1,2-benzenedicarboxylic acid, diC6-10-alkyl esters or mixed decyl	68515-51-5 68648-93-1	mg/kg	50	1000	N.D.	N.D.



**RESULTS:**

Test item(s)	CAS No.	Unit	MDL	Client Limit	Result(s)	
					28+123+125	35+36+62
and hexyl and octyl diesters with $\geq 0.3\%$ of dihexyl phthalate (EC No.201-559-5)						
Di-iso-nonyl phthalate (DINP)	28553-12-0	mg/kg	50	1000	N.D.	N.D.
Diisodecyl Phthalate (DIDP)	26761-40-0	mg/kg	50	1000	N.D.	N.D.
Di-n-octyl Phthalate(DNOP)	117-84-0	mg/kg	50	1000	N.D.	N.D.
Diethyl Phthalate(DEP)	84-66-2	mg/kg	50	1000	N.D.	N.D.
Dicyclohexyl phthalate (DCHP)	84-61-7	mg/kg	50	1000	N.D.	N.D.

Test item(s)	CAS No.	Unit	MDL	Client Limit	Result(s)	
					55+85+86	63+64+65
Benzyl butyl phthalate(BBP)	85-68-7	mg/kg	50	1000	N.D.	N.D.
Dibutyl phthalate (DBP)	84-74-2	mg/kg	50	1000	N.D.	N.D.
Di-2-ethylhexyl phthalate (DEHP)	117-81-7	mg/kg	50	1000	N.D.	N.D.
Diisobutyl phthalate(DIBP)	84-69-5	mg/kg	50	1000	N.D.	N.D.
Di(2-methoxyethy) phthalate (DMEP)	117-82-8	mg/kg	50	1000	N.D.	N.D.
1,2-Benzenedicarboxylic acid, dipentylester, branched and linear(DPP)	131-18-0	mg/kg	50	1000	N.D.	N.D.
1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	mg/kg	50	1000	N.D.	N.D.
n-Pentyl –isopentylphthalate(nPiPP)	776297-69-9	mg/kg	50	1000	N.D.	N.D.
Diisopentyl phthalate(DIPP)	605-50-5	mg/kg	50	1000	N.D.	N.D.
1,2-Benzenedicarboxylic acid, dipentylester branched and linear	84777-06-0	mg/kg	50	1000	N.D.	N.D.
1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)	71888-89-6	mg/kg	50	1000	N.D.	N.D.
1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP)	68515-42-4	mg/kg	50	1000	N.D.	N.D.



**RESULTS:**

Test item(s)	CAS No.	Unit	MDL	Client Limit	Result(s)	
					55+85+86	63+64+65
Di-n-hexyl Phthalate(DHP)	84-75-3	mg/kg	50	1000	N.D.	N.D.
1,2-benzenedicarboxylic acid, diC6-10-alkyl esters or mixed decyl and hexyl and octyl diesters with ≥0.3% of dihexyl phthalate (EC No.201-559-5)	68515-51-5 68648-93-1	mg/kg	50	1000	N.D.	N.D.
Di-iso-nonyl phthalate (DINP)	28553-12-0	mg/kg	50	1000	N.D.	N.D.
Diisodecyl Phthalate (DIDP)	26761-40-0	mg/kg	50	1000	N.D.	N.D.
Di-n-octyl Phthalate(DNOP)	117-84-0	mg/kg	50	1000	N.D.	N.D.
Diethyl Phthalate(DEP)	84-66-2	mg/kg	50	1000	N.D.	N.D.
Dicyclohexyl phthalate (DCHP)	84-61-7	mg/kg	50	1000	N.D.	N.D.

Test item(s)	CAS No.	Unit	MDL	Client Limit	Result(s)	
					66+67+68	92+93+94
Benzyl butyl phthalate(BBP)	85-68-7	mg/kg	50	1000	N.D.	N.D.
Dibutyl phthalate (DBP)	84-74-2	mg/kg	50	1000	N.D.	N.D.
Di-2-ethylhexyl phthalate (DEHP)	117-81-7	mg/kg	50	1000	N.D.	N.D.
Diisobutyl phthalate(DIBP)	84-69-5	mg/kg	50	1000	N.D.	N.D.
Di(2-methoxyethyl) phthalate (DMEP)	117-82-8	mg/kg	50	1000	N.D.	N.D.
1,2-Benzenedicarboxylic acid, dipentylester, branched and linear(DPP)	131-18-0	mg/kg	50	1000	N.D.	N.D.
1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	mg/kg	50	1000	N.D.	N.D.
n-Pentyl –isopentylphthalate(nPiPP)	776297-69-9	mg/kg	50	1000	N.D.	N.D.
Diisopentyl phthalate(DIPP)	605-50-5	mg/kg	50	1000	N.D.	N.D.
1,2-Benzenedicarboxylic acid, dipentylester branched and linear	84777-06-0	mg/kg	50	1000	N.D.	N.D.
1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)	71888-89-6	mg/kg	50	1000	N.D.	N.D.



**RESULTS:**

Test item(s)	CAS No.	Unit	MDL	Client Limit	Result(s)	
					66+67+68	92+93+94
1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP)	68515-42-4	mg/kg	50	1000	N.D.	N.D.
Di-n-hexyl Phthalate(DHP)	84-75-3	mg/kg	50	1000	N.D.	N.D.
1,2-benzenedicarboxylic acid, diC6-10-alkyl esters or mixed decyl and hexyl and octyl diesters with ≥0.3% of dihexyl phthalate (EC No.201-559-5)	68515-51-5 68648-93-1	mg/kg	50	1000	N.D.	N.D.
Di-iso-nonyl phthalate (DINP)	28553-12-0	mg/kg	50	1000	N.D.	N.D.
Diisodecyl Phthalate (DIDP)	26761-40-0	mg/kg	50	1000	N.D.	N.D.
Di-n-octyl Phthalate(DNOP)	117-84-0	mg/kg	50	1000	N.D.	N.D.
Diethyl Phthalate(DEP)	84-66-2	mg/kg	50	1000	N.D.	N.D.
Dicyclohexyl phthalate (DCHP)	84-61-7	mg/kg	50	1000	N.D.	N.D.

Test item(s)	CAS No.	Unit	MDL	Client Limit	Result(s)	
					96+97+98	99+100
Benzyl butyl phthalate(BBP)	85-68-7	mg/kg	50	1000	N.D.	N.D.
Dibutyl phthalate (DBP)	84-74-2	mg/kg	50	1000	N.D.	N.D.
Di-2-ethylhexyl phthalate (DEHP)	117-81-7	mg/kg	50	1000	N.D.	N.D.
Diisobutyl phthalate(DIBP)	84-69-5	mg/kg	50	1000	N.D.	N.D.
Di(2-methoxyethy) phthalate (DMEP)	117-82-8	mg/kg	50	1000	N.D.	N.D.
1,2-Benzenedicarboxylic acid, dipentylester, branched and linear(DPP)	131-18-0	mg/kg	50	1000	N.D.	N.D.
1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	mg/kg	50	1000	N.D.	N.D.
n-Pentyl –isopentylphthalate(nPiPP)	776297-69-9	mg/kg	50	1000	N.D.	N.D.
Diisopentyl phthalate(DIPP)	605-50-5	mg/kg	50	1000	N.D.	N.D.
1,2-Benzenedicarboxylic acid, dipentylester branched and linear	84777-06-0	mg/kg	50	1000	N.D.	N.D.



**RESULTS:**

Test item(s)	CAS No.	Unit	MDL	Client Limit	Result(s)	
					96+97+98	99+100
1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)	71888-89-6	mg/kg	50	1000	N.D.	N.D.
1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP)	68515-42-4	mg/kg	50	1000	N.D.	N.D.
Di-n-hexyl Phthalate(DHP)	84-75-3	mg/kg	50	1000	N.D.	N.D.
1,2-benzenedicarboxylic acid, diC6-10-alkyl esters or mixed decyl and hexyl and octyl diesters with ≥0.3% of dihexyl phthalate (EC No.201-559-5)	68515-51-5 68648-93-1	mg/kg	50	1000	N.D.	N.D.
Di-iso-nonyl phthalate (DINP)	28553-12-0	mg/kg	50	1000	N.D.	N.D.
Diisodecyl Phthalate (DIDP)	26761-40-0	mg/kg	50	1000	N.D.	N.D.
Di-n-octyl Phthalate(DNOP)	117-84-0	mg/kg	50	1000	N.D.	N.D.
Diethyl Phthalate(DEP)	84-66-2	mg/kg	50	1000	N.D.	N.D.
Dicyclohexyl phthalate (DCHP)	84-61-7	mg/kg	50	1000	N.D.	N.D.

Test item(s)	CAS No.	Unit	MDL	Client Limit	Result(s)	
					101+102	121+122
Benzyl butyl phthalate(BBP)	85-68-7	mg/kg	50	1000	N.D.	N.D.
Dibutyl phthalate (DBP)	84-74-2	mg/kg	50	1000	N.D.	N.D.
Di-2-ethylhexyl phthalate (DEHP)	117-81-7	mg/kg	50	1000	N.D.	N.D.
Diisobutyl phthalate(DIBP)	84-69-5	mg/kg	50	1000	N.D.	N.D.
Di(2-methoxyethyl) phthalate (DMEP)	117-82-8	mg/kg	50	1000	N.D.	N.D.
1,2-Benzenedicarboxylic acid, dipentylester, branched and linear(DPP)	131-18-0	mg/kg	50	1000	N.D.	N.D.
1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	mg/kg	50	1000	N.D.	N.D.
n-Pentyl –isopentylphthalate(nPiPP)	776297-69-	mg/kg	50	1000	N.D.	N.D.



**RESULTS:**

Test item(s)	CAS No.	Unit	MDL	Client Limit	Result(s)	
					101+102	121+122
	9					
Diisopentyl phthalate(DIPP)	605-50-5	mg/kg	50	1000	N.D.	N.D.
1,2-Benzenedicarboxylic acid, dipentylester branched and linear	84777-06-0	mg/kg	50	1000	N.D.	N.D.
1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)	71888-89-6	mg/kg	50	1000	N.D.	N.D.
1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP)	68515-42-4	mg/kg	50	1000	N.D.	N.D.
Di-n-hexyl Phthalate(DHP)	84-75-3	mg/kg	50	1000	N.D.	N.D.
1,2-benzenedicarboxylic acid, diC6-10-alkyl esters or mixed decyl and hexyl and octyl diesters with ≥0.3% of dihexyl phthalate (EC No.201-559-5)	68515-51-5 68648-93-1	mg/kg	50	1000	N.D.	N.D.
Di-iso-nonyl phthalate (DINP)	28553-12-0	mg/kg	50	1000	N.D.	N.D.
Diisodecyl Phthalate (DIDP)	26761-40-0	mg/kg	50	1000	N.D.	N.D.
Di-n-octyl Phthalate(DNOP)	117-84-0	mg/kg	50	1000	N.D.	N.D.
Diethyl Phthalate(DEP)	84-66-2	mg/kg	50	1000	N.D.	N.D.
Dicyclohexyl phthalate (DCHP)	84-61-7	mg/kg	50	1000	N.D.	N.D.

**(18)Formaldehyde content - Directive (EU) 2009/48/EC & its amendment Directive (EU) 2019/1929**

Test Method: EN ISO 14184-1: 2011

Test Instrument: Ultraviolet and visible spectrophotometer (UV-Vis)

Test item(s)	Unit	MDL	Limit	Result(s)		
				14	17	22
Formaldehyde	mg/kg	16	30	N.D.	N.D.	N.D.

Test item(s)	Unit	MDL	Limit	Result(s)		
				23	24	37
Formaldehyde	mg/kg	16	30	N.D.	N.D.	N.D.



**RESULTS:**

Test item(s)	Unit	MDL	Limit	Result(s)		
				40	42	45
Formaldehyde	mg/kg	16	30	N.D.	N.D.	N.D.

Test item(s)	Unit	MDL	Limit	Result(s)		
				60	87	88
Formaldehyde	mg/kg	16	30	N.D.	N.D.	N.D.

Test item(s)	Unit	MDL	Limit	Result(s)		
				95	97	98
Formaldehyde	mg/kg	16	30	N.D.	N.D.	N.D.

Test item(s)	Unit	MDL	Limit	Result(s)		
				102	103	111
Formaldehyde	mg/kg	16	30	N.D.	N.D.	N.D.

Test item(s)	Unit	MDL	Limit	Result(s)	
				112	118
Formaldehyde	mg/kg	16	30	N.D.	N.D.

**(19)Azo colorants content - Item 43 of Annex XVII of the REACH Regulation (EC) NO. 1907/2006 & amendment (EC) No 552/2009 and 126/2013.**

Test Method: ISO 14362-1:2017

Test Instrument: Gas Chromatography-Mass Spectrometer (GC-MS)

No.	Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)
						1+2+4
1	Biphenyl-4-ylamine/ 4-aminobiphenyl/xenylamine	92-67-1	mg/kg	5	30	N.D.
2	Benzidine	92-87-5	mg/kg	5	30	N.D.
3	4-chloro-o-toluidine	95-69-2	mg/kg	5	30	N.D.
4	2-naphthylamine	91-59-8	mg/kg	5	30	N.D.



**RESULTS:**

No.	Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)
						1+2+4
5	o-aminoazotoluene/4-o-tolyazao-o-toluidine /4-amino-2',3-dimethylazobenzene*	97-56-3	mg/kg	5	30	N.D.
6	5-nitro-o-toluidine/2-amino-4-nitrotoluol*	99-55-8	mg/kg	5	30	N.D.
7	4-chloroaniline	106-47-8	mg/kg	5	30	N.D.
8	4-methoxy-m-phenylenediamine/ 2,4-diaminoanisole	615-05-4	mg/kg	5	30	N.D.
9	4,4'-methylenedianiline/ 4,4'-diaminodiphenylmethane	101-77-9	mg/kg	5	30	N.D.
10	3,3'-dichlorobenzidine/ 3,3'-dichlorobiphenyl-4,4'-ylenediamine	91-94-1	mg/kg	5	30	N.D.
11	3,3'-dimethoxybenzidine/o-dianisidine	119-90-4	mg/kg	5	30	N.D.
12	3,3'-dimethylbenzidine/4,4'-bi-o-toluidine	119-93-7	mg/kg	5	30	N.D.
13	4,4'-methylenedi-o-toluidine	838-88-0	mg/kg	5	30	N.D.
14	6-methoxy-m-toluidine/p-cresidine	120-71-8	mg/kg	5	30	N.D.
15	4,4'-methylene-bis-(2-chloro-aniline)/ 2,2'-dichloro-4,4'-methylene-dianiline	101-14-4	mg/kg	5	30	N.D.
16	4,4'-oxydianiline	101-80-4	mg/kg	5	30	N.D.
17	4,4'-thiodianiline	139-65-1	mg/kg	5	30	N.D.
18	o-toluidine/2-aminotoluene	95-53-4	mg/kg	5	30	N.D.
19	2,4-diaminotoluene/2,4-toluylendiamine/ 4-methyl-m-phenylenediamine	95-80-7	mg/kg	5	30	N.D.
20	2,4,5-trimethylaniline	137-17-7	mg/kg	5	30	N.D.
21	o-anisidine/2-methoxyaniline	90-04-0	mg/kg	5	30	N.D.
22	4-aminoazobenzene**	60-09-3	mg/kg	5	30	N.D.

No.	Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)
						3+5
1	Biphenyl-4-ylamine/ 4-aminobiphenyl/xenylamine	92-67-1	mg/kg	5	30	N.D.
2	Benzidine	92-87-5	mg/kg	5	30	N.D.
3	4-chloro-o-toluidine	95-69-2	mg/kg	5	30	N.D.
4	2-naphthylamine	91-59-8	mg/kg	5	30	N.D.





**RESULTS:**

No.	Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)
						3+5
5	o-aminoazotoluene/4-o-tolyazao-o-toluidine /4-amino-2',3-dimethylazobenzene*	97-56-3	mg/kg	5	30	N.D.
6	5-nitro-o-toluidine/2-amino-4-nitrotoluol*	99-55-8	mg/kg	5	30	N.D.
7	4-chloroaniline	106-47-8	mg/kg	5	30	N.D.
8	4-methoxy-m-phenylenediamine/ 2,4-diaminoanisole	615-05-4	mg/kg	5	30	N.D.
9	4,4'-methylenedianiline/ 4,4'-diaminodiphenylmethane	101-77-9	mg/kg	5	30	N.D.
10	3,3'-dichlorobenzidine/ 3,3'-dichlorobiphenyl-4,4'-ylenediamine	91-94-1	mg/kg	5	30	N.D.
11	3,3'-dimethoxybenzidine/o-dianisidine	119-90-4	mg/kg	5	30	N.D.
12	3,3'-dimethylbenzidine/4,4'-bi-o-toluidine	119-93-7	mg/kg	5	30	N.D.
13	4,4'-methylenedi-o-toluidine	838-88-0	mg/kg	5	30	N.D.
14	6-methoxy-m-toluidine/p-cresidine	120-71-8	mg/kg	5	30	N.D.
15	4,4'-methylene-bis-(2-chloro-aniline)/ 2,2'-dichloro-4,4'-methylene-dianiline	101-14-4	mg/kg	5	30	N.D.
16	4,4'-oxydianiline	101-80-4	mg/kg	5	30	N.D.
17	4,4'-thiodianiline	139-65-1	mg/kg	5	30	N.D.
18	o-toluidine/2-aminotoluene	95-53-4	mg/kg	5	30	N.D.
19	2,4-diaminotoluene/2,4-toluylendiamine/ 4-methyl-m-phenylenediamine	95-80-7	mg/kg	5	30	N.D.
20	2,4,5-trimethylaniline	137-17-7	mg/kg	5	30	N.D.
21	o-anisidine/2-methoxyaniline	90-04-0	mg/kg	5	30	N.D.
22	4-aminoazobenzene**	60-09-3	mg/kg	5	30	N.D.

No.	Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)
						7
1	Biphenyl-4-ylamine/ 4-aminobiphenyl/xenylamine	92-67-1	mg/kg	5	30	N.D.
2	Benzidine	92-87-5	mg/kg	5	30	N.D.
3	4-chloro-o-toluidine	95-69-2	mg/kg	5	30	N.D.
4	2-naphthylamine	91-59-8	mg/kg	5	30	N.D.



**RESULTS:**

No.	Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)
						7
5	o-aminoazotoluene/4-o-tolyazao-o-toluidine /4-amino-2',3-dimethylazobenzene*	97-56-3	mg/kg	5	30	N.D.
6	5-nitro-o-toluidine/2-amino-4-nitrotoluol*	99-55-8	mg/kg	5	30	N.D.
7	4-chloroaniline	106-47-8	mg/kg	5	30	N.D.
8	4-methoxy-m-phenylenediamine/ 2,4-diaminoanisole	615-05-4	mg/kg	5	30	N.D.
9	4,4'-methylenedianiline/ 4,4'-diaminodiphenylmethane	101-77-9	mg/kg	5	30	N.D.
10	3,3'-dichlorobenzidine/ 3,3'-dichlorobiphenyl-4,4'-ylenediamine	91-94-1	mg/kg	5	30	N.D.
11	3,3'-dimethoxybenzidine/o-dianisidine	119-90-4	mg/kg	5	30	N.D.
12	3,3'-dimethylbenzidine/4,4'-bi-o-toluidine	119-93-7	mg/kg	5	30	N.D.
13	4,4'-methylenedi-o-toluidine	838-88-0	mg/kg	5	30	N.D.
14	6-methoxy-m-toluidine/p-cresidine	120-71-8	mg/kg	5	30	N.D.
15	4,4'-methylene-bis-(2-chloro-aniline)/ 2,2'-dichloro-4,4'-methylene-dianiline	101-14-4	mg/kg	5	30	N.D.
16	4,4'-oxydianiline	101-80-4	mg/kg	5	30	N.D.
17	4,4'-thiodianiline	139-65-1	mg/kg	5	30	N.D.
18	o-toluidine/2-aminotoluene	95-53-4	mg/kg	5	30	N.D.
19	2,4-diaminotoluene/2,4-toluylendiamine/ 4-methyl-m-phenylenediamine	95-80-7	mg/kg	5	30	N.D.
20	2,4,5-trimethylaniline	137-17-7	mg/kg	5	30	N.D.
21	o-anisidine/2-methoxyaniline	90-04-0	mg/kg	5	30	N.D.
22	4-aminoazobenzene**	60-09-3	mg/kg	5	30	N.D.

No.	Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)
						8+9
1	Biphenyl-4-ylamine/ 4-aminobiphenyl/xenylamine	92-67-1	mg/kg	5	30	N.D.
2	Benzidine	92-87-5	mg/kg	5	30	N.D.
3	4-chloro-o-toluidine	95-69-2	mg/kg	5	30	N.D.
4	2-naphthylamine	91-59-8	mg/kg	5	30	N.D.



**RESULTS:**

No.	Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)
						8+9
5	o-aminoazotoluene/4-o-tolyazao-o-toluidine /4-amino-2',3-dimethylazobenzene*	97-56-3	mg/kg	5	30	N.D.
6	5-nitro-o-toluidine/2-amino-4-nitrotoluol*	99-55-8	mg/kg	5	30	N.D.
7	4-chloroaniline	106-47-8	mg/kg	5	30	N.D.
8	4-methoxy-m-phenylenediamine/ 2,4-diaminoanisole	615-05-4	mg/kg	5	30	N.D.
9	4,4'-methylenedianiline/ 4,4'-diaminodiphenylmethane	101-77-9	mg/kg	5	30	N.D.
10	3,3'-dichlorobenzidine/ 3,3'-dichlorobiphenyl-4,4'-ylenediamine	91-94-1	mg/kg	5	30	N.D.
11	3,3'-dimethoxybenzidine/o-dianisidine	119-90-4	mg/kg	5	30	N.D.
12	3,3'-dimethylbenzidine/4,4'-bi-o-toluidine	119-93-7	mg/kg	5	30	N.D.
13	4,4'-methylenedi-o-toluidine	838-88-0	mg/kg	5	30	N.D.
14	6-methoxy-m-toluidine/p-cresidine	120-71-8	mg/kg	5	30	N.D.
15	4,4'-methylene-bis-(2-chloro-aniline)/ 2,2'-dichloro-4,4'-methylene-dianiline	101-14-4	mg/kg	5	30	N.D.
16	4,4'-oxydianiline	101-80-4	mg/kg	5	30	N.D.
17	4,4'-thiodianiline	139-65-1	mg/kg	5	30	N.D.
18	o-toluidine/2-aminotoluene	95-53-4	mg/kg	5	30	N.D.
19	2,4-diaminotoluene/2,4-toluylendiamine/ 4-methyl-m-phenylenediamine	95-80-7	mg/kg	5	30	N.D.
20	2,4,5-trimethylaniline	137-17-7	mg/kg	5	30	N.D.
21	o-anisidine/2-methoxyaniline	90-04-0	mg/kg	5	30	N.D.
22	4-aminoazobenzene**	60-09-3	mg/kg	5	30	N.D.

No.	Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)
						11+12+14
1	Biphenyl-4-ylamine/ 4-aminobiphenyl/xenylamine	92-67-1	mg/kg	5	30	N.D.
2	Benzidine	92-87-5	mg/kg	5	30	N.D.
3	4-chloro-o-toluidine	95-69-2	mg/kg	5	30	N.D.
4	2-naphthylamine	91-59-8	mg/kg	5	30	N.D.



**RESULTS:**

No.	Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)
						11+12+14
5	o-aminoazotoluene/4-o-tolyazao-o-toluidine /4-amino-2',3-dimethylazobenzene*	97-56-3	mg/kg	5	30	N.D.
6	5-nitro-o-toluidine/2-amino-4-nitrotoluol*	99-55-8	mg/kg	5	30	N.D.
7	4-chloroaniline	106-47-8	mg/kg	5	30	N.D.
8	4-methoxy-m-phenylenediamine/ 2,4-diaminoanisole	615-05-4	mg/kg	5	30	N.D.
9	4,4'-methylenedianiline/ 4,4'-diaminodiphenylmethane	101-77-9	mg/kg	5	30	N.D.
10	3,3'-dichlorobenzidine/ 3,3'-dichlorobiphenyl-4,4'-ylenediamine	91-94-1	mg/kg	5	30	N.D.
11	3,3'-dimethoxybenzidine/o-dianisidine	119-90-4	mg/kg	5	30	N.D.
12	3,3'-dimethylbenzidine/4,4'-bi-o-toluidine	119-93-7	mg/kg	5	30	N.D.
13	4,4'-methylenedi-o-toluidine	838-88-0	mg/kg	5	30	N.D.
14	6-methoxy-m-toluidine/p-cresidine	120-71-8	mg/kg	5	30	N.D.
15	4,4'-methylene-bis-(2-chloro-aniline)/ 2,2'-dichloro-4,4'-methylene-dianiline	101-14-4	mg/kg	5	30	N.D.
16	4,4'-oxydianiline	101-80-4	mg/kg	5	30	N.D.
17	4,4'-thiodianiline	139-65-1	mg/kg	5	30	N.D.
18	o-toluidine/2-aminotoluene	95-53-4	mg/kg	5	30	N.D.
19	2,4-diaminotoluene/2,4-toluylendiamine/ 4-methyl-m-phenylenediamine	95-80-7	mg/kg	5	30	N.D.
20	2,4,5-trimethylaniline	137-17-7	mg/kg	5	30	N.D.
21	o-anisidine/2-methoxyaniline	90-04-0	mg/kg	5	30	N.D.
22	4-aminoazobenzene**	60-09-3	mg/kg	5	30	N.D.

No.	Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)
						15
1	Biphenyl-4-ylamine/ 4-aminobiphenyl/xenylamine	92-67-1	mg/kg	5	30	N.D.
2	Benzidine	92-87-5	mg/kg	5	30	N.D.
3	4-chloro-o-toluidine	95-69-2	mg/kg	5	30	N.D.
4	2-naphthylamine	91-59-8	mg/kg	5	30	N.D.



**RESULTS:**

No.	Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)
						15
5	o-aminoazotoluene/4-o-tolyazao-o-toluidine /4-amino-2',3-dimethylazobenzene*	97-56-3	mg/kg	5	30	N.D.
6	5-nitro-o-toluidine/2-amino-4-nitrotoluol*	99-55-8	mg/kg	5	30	N.D.
7	4-chloroaniline	106-47-8	mg/kg	5	30	N.D.
8	4-methoxy-m-phenylenediamine/ 2,4-diaminoanisole	615-05-4	mg/kg	5	30	N.D.
9	4,4'-methylenedianiline/ 4,4'-diaminodiphenylmethane	101-77-9	mg/kg	5	30	N.D.
10	3,3'-dichlorobenzidine/ 3,3'-dichlorobiphenyl-4,4'-ylenediamine	91-94-1	mg/kg	5	30	N.D.
11	3,3'-dimethoxybenzidine/o-dianisidine	119-90-4	mg/kg	5	30	N.D.
12	3,3'-dimethylbenzidine/4,4'-bi-o-toluidine	119-93-7	mg/kg	5	30	N.D.
13	4,4'-methylenedi-o-toluidine	838-88-0	mg/kg	5	30	N.D.
14	6-methoxy-m-toluidine/p-cresidine	120-71-8	mg/kg	5	30	N.D.
15	4,4'-methylene-bis-(2-chloro-aniline)/ 2,2'-dichloro-4,4'-methylene-dianiline	101-14-4	mg/kg	5	30	N.D.
16	4,4'-oxydianiline	101-80-4	mg/kg	5	30	N.D.
17	4,4'-thiodianiline	139-65-1	mg/kg	5	30	N.D.
18	o-toluidine/2-aminotoluene	95-53-4	mg/kg	5	30	N.D.
19	2,4-diaminotoluene/2,4-toluylendiamine/ 4-methyl-m-phenylenediamine	95-80-7	mg/kg	5	30	N.D.
20	2,4,5-trimethylaniline	137-17-7	mg/kg	5	30	N.D.
21	o-anisidine/2-methoxyaniline	90-04-0	mg/kg	5	30	N.D.
22	4-aminoazobenzene**	60-09-3	mg/kg	5	30	N.D.

No.	Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)
						16+30+31
1	Biphenyl-4-ylamine/ 4-aminobiphenyl/xenylamine	92-67-1	mg/kg	5	30	N.D.
2	Benzidine	92-87-5	mg/kg	5	30	N.D.
3	4-chloro-o-toluidine	95-69-2	mg/kg	5	30	N.D.
4	2-naphthylamine	91-59-8	mg/kg	5	30	N.D.
5	o-aminoazotoluene/4-o-tolyazao-o-toluidine /4-amino-2',3-dimethylazobenzene*	97-56-3	mg/kg	5	30	N.D.



**RESULTS:**

No.	Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)
						16+30+31
6	5-nitro-o-toluidine/2-amino-4-nitrotoluol*	99-55-8	mg/kg	5	30	N.D.
7	4-chloroaniline	106-47-8	mg/kg	5	30	N.D.
8	4-methoxy-m-phenylenediamine/ 2,4-diaminoanisole	615-05-4	mg/kg	5	30	N.D.
9	4,4'-methylenedianiline/ 4,4'-diaminodiphenylmethane	101-77-9	mg/kg	5	30	N.D.
10	3,3'-dichlorobenzidine/ 3,3'-dichlorobiphenyl-4,4'-ylenediamine	91-94-1	mg/kg	5	30	N.D.
11	3,3'-dimethoxybenzidine/o-dianisidine	119-90-4	mg/kg	5	30	N.D.
12	3,3'-dimethylbenzidine/4,4'-bi-o-toluidine	119-93-7	mg/kg	5	30	N.D.
13	4,4'-methylenedi-o-toluidine	838-88-0	mg/kg	5	30	N.D.
14	6-methoxy-m-toluidine/p-cresidine	120-71-8	mg/kg	5	30	N.D.
15	4,4'-methylene-bis-(2-chloro-aniline)/ 2,2'-dichloro-4,4'-methylene-dianiline	101-14-4	mg/kg	5	30	N.D.
16	4,4'-oxydianiline	101-80-4	mg/kg	5	30	N.D.
17	4,4'-thiodianiline	139-65-1	mg/kg	5	30	N.D.
18	o-toluidine/2-aminotoluene	95-53-4	mg/kg	5	30	N.D.
19	2,4-diaminotoluene/2,4-toluylendiamine/ 4-methyl-m-phenylenediamine	95-80-7	mg/kg	5	30	N.D.
20	2,4,5-trimethylaniline	137-17-7	mg/kg	5	30	N.D.
21	o-anisidine/2-methoxyaniline	90-04-0	mg/kg	5	30	N.D.
22	4-aminoazobenzene**	60-09-3	mg/kg	5	30	N.D.

No.	Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)
						17+18+19
1	Biphenyl-4-ylamine/ 4-aminobiphenyl/xenylamine	92-67-1	mg/kg	5	30	N.D.
2	Benzidine	92-87-5	mg/kg	5	30	N.D.
3	4-chloro-o-toluidine	95-69-2	mg/kg	5	30	N.D.
4	2-naphthylamine	91-59-8	mg/kg	5	30	N.D.
5	o-aminoazotoluene/4-o-tolyazao-o-toluidine /4- amino-2',3-dimethylazobenzene*	97-56-3	mg/kg	5	30	N.D.



**RESULTS:**

No.	Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)
						17+18+19
6	5-nitro-o-toluidine/2-amino-4-nitrotoluol*	99-55-8	mg/kg	5	30	N.D.
7	4-chloroaniline	106-47-8	mg/kg	5	30	N.D.
8	4-methoxy-m-phenylenediamine/ 2,4-diaminoanisole	615-05-4	mg/kg	5	30	N.D.
9	4,4'-methylenedianiline/ 4,4'-diaminodiphenylmethane	101-77-9	mg/kg	5	30	N.D.
10	3,3'-dichlorobenzidine/ 3,3'-dichlorobiphenyl-4,4'-ylenediamine	91-94-1	mg/kg	5	30	N.D.
11	3,3'-dimethoxybenzidine/o-dianisidine	119-90-4	mg/kg	5	30	N.D.
12	3,3'-dimethylbenzidine/4,4'-bi-o-toluidine	119-93-7	mg/kg	5	30	N.D.
13	4,4'-methylenedi-o-toluidine	838-88-0	mg/kg	5	30	N.D.
14	6-methoxy-m-toluidine/p-cresidine	120-71-8	mg/kg	5	30	N.D.
15	4,4'-methylene-bis-(2-chloro-aniline)/ 2,2'-dichloro-4,4'-methylene-dianiline	101-14-4	mg/kg	5	30	N.D.
16	4,4'-oxydianiline	101-80-4	mg/kg	5	30	N.D.
17	4,4'-thiodianiline	139-65-1	mg/kg	5	30	N.D.
18	o-toluidine/2-aminotoluene	95-53-4	mg/kg	5	30	N.D.
19	2,4-diaminotoluene/2,4-toluylendiamine/ 4-methyl-m-phenylenediamine	95-80-7	mg/kg	5	30	N.D.
20	2,4,5-trimethylaniline	137-17-7	mg/kg	5	30	N.D.
21	o-anisidine/2-methoxyaniline	90-04-0	mg/kg	5	30	N.D.
22	4-aminoazobenzene**	60-09-3	mg/kg	5	30	N.D.

No.	Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)
						20+21+22
1	Biphenyl-4-ylamine/ 4-aminobiphenyl/xenylamine	92-67-1	mg/kg	5	30	N.D.
2	Benzidine	92-87-5	mg/kg	5	30	N.D.
3	4-chloro-o-toluidine	95-69-2	mg/kg	5	30	N.D.
4	2-naphthylamine	91-59-8	mg/kg	5	30	N.D.
5	o-aminoazotoluene/4-o-tolyazao-o-toluidine /4- amino-2',3-dimethylazobenzene*	97-56-3	mg/kg	5	30	N.D.



**RESULTS:**

No.	Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)
						20+21+22
6	5-nitro-o-toluidine/2-amino-4-nitrotoluol*	99-55-8	mg/kg	5	30	N.D.
7	4-chloroaniline	106-47-8	mg/kg	5	30	N.D.
8	4-methoxy-m-phenylenediamine/ 2,4-diaminoanisole	615-05-4	mg/kg	5	30	N.D.
9	4,4'-methylenedianiline/ 4,4'-diaminodiphenylmethane	101-77-9	mg/kg	5	30	N.D.
10	3,3'-dichlorobenzidine/ 3,3'-dichlorobiphenyl-4,4'-ylenediamine	91-94-1	mg/kg	5	30	N.D.
11	3,3'-dimethoxybenzidine/o-dianisidine	119-90-4	mg/kg	5	30	N.D.
12	3,3'-dimethylbenzidine/4,4'-bi-o-toluidine	119-93-7	mg/kg	5	30	N.D.
13	4,4'-methylenedi-o-toluidine	838-88-0	mg/kg	5	30	N.D.
14	6-methoxy-m-toluidine/p-cresidine	120-71-8	mg/kg	5	30	N.D.
15	4,4'-methylene-bis-(2-chloro-aniline)/ 2,2'-dichloro-4,4'-methylene-dianiline	101-14-4	mg/kg	5	30	N.D.
16	4,4'-oxydianiline	101-80-4	mg/kg	5	30	N.D.
17	4,4'-thiodianiline	139-65-1	mg/kg	5	30	N.D.
18	o-toluidine/2-aminotoluene	95-53-4	mg/kg	5	30	N.D.
19	2,4-diaminotoluene/2,4-toluylendiamine/ 4-methyl-m-phenylenediamine	95-80-7	mg/kg	5	30	N.D.
20	2,4,5-trimethylaniline	137-17-7	mg/kg	5	30	N.D.
21	o-anisidine/2-methoxyaniline	90-04-0	mg/kg	5	30	N.D.
22	4-aminoazobenzene**	60-09-3	mg/kg	5	30	N.D.





**RESULTS:**

No.	Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)
						23+24+25
1	Biphenyl-4-ylamine/ 4-aminobiphenyl/xenylamine	92-67-1	mg/kg	5	30	N.D.
2	Benzidine	92-87-5	mg/kg	5	30	N.D.
3	4-chloro-o-toluidine	95-69-2	mg/kg	5	30	N.D.
4	2-naphthylamine	91-59-8	mg/kg	5	30	N.D.
5	o-aminoazotoluene/4-o-tolyazao-o-toluidine /4- amino-2',3-dimethylazobenzene*	97-56-3	mg/kg	5	30	N.D.
6	5-nitro-o-toluidine/2-amino-4-nitrotoluol*	99-55-8	mg/kg	5	30	N.D.
7	4-chloroaniline	106-47-8	mg/kg	5	30	N.D.
8	4-methoxy-m-phenylenediamine/ 2,4-diaminoanisole	615-05-4	mg/kg	5	30	N.D.
9	4,4'-methylenedianiline/ 4,4'-diaminodiphenylmethane	101-77-9	mg/kg	5	30	N.D.
10	3,3'-dichlorobenzidine/ 3,3'-dichlorobiphenyl-4,4'-ylenediamine	91-94-1	mg/kg	5	30	N.D.
11	3,3'-dimethoxybenzidine/o-dianisidine	119-90-4	mg/kg	5	30	N.D.
12	3,3'-dimethylbenzidine/4,4'-bi-o-toluidine	119-93-7	mg/kg	5	30	N.D.
13	4,4'-methylenedi-o-toluidine	838-88-0	mg/kg	5	30	N.D.
14	6-methoxy-m-toluidine/p-cresidine	120-71-8	mg/kg	5	30	N.D.
15	4,4'-methylene-bis-(2-chloro-aniline)/ 2,2'-dichloro-4,4'-methylene-dianiline	101-14-4	mg/kg	5	30	N.D.
16	4,4'-oxydianiline	101-80-4	mg/kg	5	30	N.D.
17	4,4'-thiodianiline	139-65-1	mg/kg	5	30	N.D.
18	o-toluidine/2-aminotoluene	95-53-4	mg/kg	5	30	N.D.
19	2,4-diaminotoluene/2,4-toluylendiamine/ 4-methyl-m-phenylenediamine	95-80-7	mg/kg	5	30	N.D.
20	2,4,5-trimethylaniline	137-17-7	mg/kg	5	30	N.D.
21	o-anisidine/2-methoxyaniline	90-04-0	mg/kg	5	30	N.D.
22	4-aminoazobenzene**	60-09-3	mg/kg	5	30	N.D.

No.	Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)
						29+124+126



**RESULTS:**

No.	Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)
						29+124+126
1	Biphenyl-4-ylamine/ 4-aminobiphenyl/xenylamine	92-67-1	mg/kg	5	30	N.D.
2	Benzidine	92-87-5	mg/kg	5	30	N.D.
3	4-chloro-o-toluidine	95-69-2	mg/kg	5	30	N.D.
4	2-naphthylamine	91-59-8	mg/kg	5	30	N.D.
5	o-aminoazotoluene/4-o-tolyazao-o-toluidine /4- amino-2',3-dimethylazobenzene*	97-56-3	mg/kg	5	30	N.D.
6	5-nitro-o-toluidine/2-amino-4-nitrotoluol*	99-55-8	mg/kg	5	30	N.D.
7	4-chloroaniline	106-47-8	mg/kg	5	30	N.D.
8	4-methoxy-m-phenylenediamine/ 2,4-diaminoanisole	615-05-4	mg/kg	5	30	N.D.
9	4,4'-methylenedianiline/ 4,4'-diaminodiphenylmethane	101-77-9	mg/kg	5	30	N.D.
10	3,3'-dichlorobenzidine/ 3,3'-dichlorobiphenyl-4,4'-ylenediamine	91-94-1	mg/kg	5	30	N.D.
11	3,3'-dimethoxybenzidine/o-dianisidine	119-90-4	mg/kg	5	30	N.D.
12	3,3'-dimethylbenzidine/4,4'-bi-o-toluidine	119-93-7	mg/kg	5	30	N.D.
13	4,4'-methylenedi-o-toluidine	838-88-0	mg/kg	5	30	N.D.
14	6-methoxy-m-toluidine/p-cresidine	120-71-8	mg/kg	5	30	N.D.
15	4,4'-methylene-bis-(2-chloro-aniline)/ 2,2'-dichloro-4,4'-methylene-dianiline	101-14-4	mg/kg	5	30	N.D.
16	4,4'-oxydianiline	101-80-4	mg/kg	5	30	N.D.
17	4,4'-thiodianiline	139-65-1	mg/kg	5	30	N.D.
18	o-toluidine/2-aminotoluene	95-53-4	mg/kg	5	30	N.D.
19	2,4-diaminotoluene/2,4-toluylendiamine/ 4-methyl-m-phenylenediamine	95-80-7	mg/kg	5	30	N.D.
20	2,4,5-trimethylaniline	137-17-7	mg/kg	5	30	N.D.
21	o-anisidine/2-methoxyaniline	90-04-0	mg/kg	5	30	N.D.
22	4-aminoazobenzene**	60-09-3	mg/kg	5	30	N.D.

No.	Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)
						32+37+38



**RESULTS:**

No.	Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)
						32+37+38
1	Biphenyl-4-ylamine/ 4-aminobiphenyl/xenylamine	92-67-1	mg/kg	5	30	N.D.
2	Benzidine	92-87-5	mg/kg	5	30	N.D.
3	4-chloro-o-toluidine	95-69-2	mg/kg	5	30	N.D.
4	2-naphthylamine	91-59-8	mg/kg	5	30	N.D.
5	o-aminoazotoluene/4-o-tolyazao-o-toluidine /4- amino-2',3-dimethylazobenzene*	97-56-3	mg/kg	5	30	N.D.
6	5-nitro-o-toluidine/2-amino-4-nitrotoluol*	99-55-8	mg/kg	5	30	N.D.
7	4-chloroaniline	106-47-8	mg/kg	5	30	N.D.
8	4-methoxy-m-phenylenediamine/ 2,4-diaminoanisole	615-05-4	mg/kg	5	30	N.D.
9	4,4'-methylenedianiline/ 4,4'-diaminodiphenylmethane	101-77-9	mg/kg	5	30	N.D.
10	3,3'-dichlorobenzidine/ 3,3'-dichlorobiphenyl-4,4'-ylenediamine	91-94-1	mg/kg	5	30	N.D.
11	3,3'-dimethoxybenzidine/o-dianisidine	119-90-4	mg/kg	5	30	N.D.
12	3,3'-dimethylbenzidine/4,4'-bi-o-toluidine	119-93-7	mg/kg	5	30	N.D.
13	4,4'-methylenedi-o-toluidine	838-88-0	mg/kg	5	30	N.D.
14	6-methoxy-m-toluidine/p-cresidine	120-71-8	mg/kg	5	30	N.D.
15	4,4'-methylene-bis-(2-chloro-aniline)/ 2,2'-dichloro-4,4'-methylene-dianiline	101-14-4	mg/kg	5	30	N.D.
16	4,4'-oxydianiline	101-80-4	mg/kg	5	30	N.D.
17	4,4'-thiodianiline	139-65-1	mg/kg	5	30	N.D.
18	o-toluidine/2-aminotoluene	95-53-4	mg/kg	5	30	N.D.
19	2,4-diaminotoluene/2,4-toluylendiamine/ 4-methyl-m-phenylenediamine	95-80-7	mg/kg	5	30	N.D.
20	2,4,5-trimethylaniline	137-17-7	mg/kg	5	30	N.D.
21	o-anisidine/2-methoxyaniline	90-04-0	mg/kg	5	30	N.D.
22	4-aminoazobenzene**	60-09-3	mg/kg	5	30	N.D.

No.	Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)
						33



**RESULTS:**

No.	Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)
						33
1	Biphenyl-4-ylamine/ 4-aminobiphenyl/xenylamine	92-67-1	mg/kg	5	30	N.D.
2	Benzidine	92-87-5	mg/kg	5	30	N.D.
3	4-chloro-o-toluidine	95-69-2	mg/kg	5	30	N.D.
4	2-naphthylamine	91-59-8	mg/kg	5	30	N.D.
5	o-aminoazotoluene/4-o-tolyazao-o-toluidine /4- amino-2',3-dimethylazobenzene*	97-56-3	mg/kg	5	30	N.D.
6	5-nitro-o-toluidine/2-amino-4-nitrotoluol*	99-55-8	mg/kg	5	30	N.D.
7	4-chloroaniline	106-47-8	mg/kg	5	30	N.D.
8	4-methoxy-m-phenylenediamine/ 2,4-diaminoanisole	615-05-4	mg/kg	5	30	N.D.
9	4,4'-methylenedianiline/ 4,4'-diaminodiphenylmethane	101-77-9	mg/kg	5	30	N.D.
10	3,3'-dichlorobenzidine/ 3,3'-dichlorobiphenyl-4,4'-ylenediamine	91-94-1	mg/kg	5	30	N.D.
11	3,3'-dimethoxybenzidine/o-dianisidine	119-90-4	mg/kg	5	30	N.D.
12	3,3'-dimethylbenzidine/4,4'-bi-o-toluidine	119-93-7	mg/kg	5	30	N.D.
13	4,4'-methylenedi-o-toluidine	838-88-0	mg/kg	5	30	N.D.
14	6-methoxy-m-toluidine/p-cresidine	120-71-8	mg/kg	5	30	N.D.
15	4,4'-methylene-bis-(2-chloro-aniline)/ 2,2'-dichloro-4,4'-methylene-dianiline	101-14-4	mg/kg	5	30	N.D.
16	4,4'-oxydianiline	101-80-4	mg/kg	5	30	N.D.
17	4,4'-thiodianiline	139-65-1	mg/kg	5	30	N.D.
18	o-toluidine/2-aminotoluene	95-53-4	mg/kg	5	30	N.D.
19	2,4-diaminotoluene/2,4-toluylendiamine/ 4-methyl-m-phenylenediamine	95-80-7	mg/kg	5	30	N.D.
20	2,4,5-trimethylaniline	137-17-7	mg/kg	5	30	N.D.
21	o-anisidine/2-methoxyaniline	90-04-0	mg/kg	5	30	N.D.
22	4-aminoazobenzene**	60-09-3	mg/kg	5	30	N.D.

No.	Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)
						34+35



**RESULTS:**

No.	Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)
						34+35
1	Biphenyl-4-ylamine/ 4-aminobiphenyl/xenylamine	92-67-1	mg/kg	5	30	N.D.
2	Benzidine	92-87-5	mg/kg	5	30	N.D.
3	4-chloro-o-toluidine	95-69-2	mg/kg	5	30	N.D.
4	2-naphthylamine	91-59-8	mg/kg	5	30	N.D.
5	o-aminoazotoluene/4-o-tolyazao-o-toluidine /4- amino-2',3-dimethylazobenzene*	97-56-3	mg/kg	5	30	N.D.
6	5-nitro-o-toluidine/2-amino-4-nitrotoluol*	99-55-8	mg/kg	5	30	N.D.
7	4-chloroaniline	106-47-8	mg/kg	5	30	N.D.
8	4-methoxy-m-phenylenediamine/ 2,4-diaminoanisole	615-05-4	mg/kg	5	30	N.D.
9	4,4'-methylenedianiline/ 4,4'-diaminodiphenylmethane	101-77-9	mg/kg	5	30	N.D.
10	3,3'-dichlorobenzidine/ 3,3'-dichlorobiphenyl-4,4'-ylenediamine	91-94-1	mg/kg	5	30	N.D.
11	3,3'-dimethoxybenzidine/o-dianisidine	119-90-4	mg/kg	5	30	N.D.
12	3,3'-dimethylbenzidine/4,4'-bi-o-toluidine	119-93-7	mg/kg	5	30	N.D.
13	4,4'-methylenedi-o-toluidine	838-88-0	mg/kg	5	30	N.D.
14	6-methoxy-m-toluidine/p-cresidine	120-71-8	mg/kg	5	30	N.D.
15	4,4'-methylene-bis-(2-chloro-aniline)/ 2,2'-dichloro-4,4'-methylene-dianiline	101-14-4	mg/kg	5	30	N.D.
16	4,4'-oxydianiline	101-80-4	mg/kg	5	30	N.D.
17	4,4'-thiodianiline	139-65-1	mg/kg	5	30	N.D.
18	o-toluidine/2-aminotoluene	95-53-4	mg/kg	5	30	N.D.
19	2,4-diaminotoluene/2,4-toluylendiamine/ 4-methyl-m-phenylenediamine	95-80-7	mg/kg	5	30	N.D.
20	2,4,5-trimethylaniline	137-17-7	mg/kg	5	30	N.D.
21	o-anisidine/2-methoxyaniline	90-04-0	mg/kg	5	30	N.D.
22	4-aminoazobenzene**	60-09-3	mg/kg	5	30	N.D.

No.	Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)
						36+64



**RESULTS:**

No.	Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)
						36+64
1	Biphenyl-4-ylamine/ 4-aminobiphenyl/xenylamine	92-67-1	mg/kg	5	30	N.D.
2	Benzidine	92-87-5	mg/kg	5	30	N.D.
3	4-chloro-o-toluidine	95-69-2	mg/kg	5	30	N.D.
4	2-naphthylamine	91-59-8	mg/kg	5	30	N.D.
5	o-aminoazotoluene/4-o-tolyazao-o-toluidine /4- amino-2',3-dimethylazobenzene*	97-56-3	mg/kg	5	30	N.D.
6	5-nitro-o-toluidine/2-amino-4-nitrotoluol*	99-55-8	mg/kg	5	30	N.D.
7	4-chloroaniline	106-47-8	mg/kg	5	30	N.D.
8	4-methoxy-m-phenylenediamine/ 2,4-diaminoanisole	615-05-4	mg/kg	5	30	N.D.
9	4,4'-methylenedianiline/ 4,4'-diaminodiphenylmethane	101-77-9	mg/kg	5	30	N.D.
10	3,3'-dichlorobenzidine/ 3,3'-dichlorobiphenyl-4,4'-ylenediamine	91-94-1	mg/kg	5	30	N.D.
11	3,3'-dimethoxybenzidine/o-dianisidine	119-90-4	mg/kg	5	30	N.D.
12	3,3'-dimethylbenzidine/4,4'-bi-o-toluidine	119-93-7	mg/kg	5	30	N.D.
13	4,4'-methylenedi-o-toluidine	838-88-0	mg/kg	5	30	N.D.
14	6-methoxy-m-toluidine/p-cresidine	120-71-8	mg/kg	5	30	N.D.
15	4,4'-methylene-bis-(2-chloro-aniline)/ 2,2'-dichloro-4,4'-methylene-dianiline	101-14-4	mg/kg	5	30	N.D.
16	4,4'-oxydianiline	101-80-4	mg/kg	5	30	N.D.
17	4,4'-thiodianiline	139-65-1	mg/kg	5	30	N.D.
18	o-toluidine/2-aminotoluene	95-53-4	mg/kg	5	30	N.D.
19	2,4-diaminotoluene/2,4-toluylendiamine/ 4-methyl-m-phenylenediamine	95-80-7	mg/kg	5	30	N.D.
20	2,4,5-trimethylaniline	137-17-7	mg/kg	5	30	N.D.
21	o-anisidine/2-methoxyaniline	90-04-0	mg/kg	5	30	N.D.
22	4-aminoazobenzene**	60-09-3	mg/kg	5	30	N.D.

No.	Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)
						39+40+41



**RESULTS:**

No.	Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)
						39+40+41
1	Biphenyl-4-ylamine/ 4-aminobiphenyl/xenylamine	92-67-1	mg/kg	5	30	N.D.
2	Benzidine	92-87-5	mg/kg	5	30	N.D.
3	4-chloro-o-toluidine	95-69-2	mg/kg	5	30	N.D.
4	2-naphthylamine	91-59-8	mg/kg	5	30	N.D.
5	o-aminoazotoluene/4-o-tolyazao-o-toluidine /4- amino-2',3-dimethylazobenzene*	97-56-3	mg/kg	5	30	N.D.
6	5-nitro-o-toluidine/2-amino-4-nitrotoluol*	99-55-8	mg/kg	5	30	N.D.
7	4-chloroaniline	106-47-8	mg/kg	5	30	N.D.
8	4-methoxy-m-phenylenediamine/ 2,4-diaminoanisole	615-05-4	mg/kg	5	30	N.D.
9	4,4'-methylenedianiline/ 4,4'-diaminodiphenylmethane	101-77-9	mg/kg	5	30	N.D.
10	3,3'-dichlorobenzidine/ 3,3'-dichlorobiphenyl-4,4'-ylenediamine	91-94-1	mg/kg	5	30	N.D.
11	3,3'-dimethoxybenzidine/o-dianisidine	119-90-4	mg/kg	5	30	N.D.
12	3,3'-dimethylbenzidine/4,4'-bi-o-toluidine	119-93-7	mg/kg	5	30	N.D.
13	4,4'-methylenedi-o-toluidine	838-88-0	mg/kg	5	30	N.D.
14	6-methoxy-m-toluidine/p-cresidine	120-71-8	mg/kg	5	30	N.D.
15	4,4'-methylene-bis-(2-chloro-aniline)/ 2,2'-dichloro-4,4'-methylene-dianiline	101-14-4	mg/kg	5	30	N.D.
16	4,4'-oxydianiline	101-80-4	mg/kg	5	30	N.D.
17	4,4'-thiodianiline	139-65-1	mg/kg	5	30	N.D.
18	o-toluidine/2-aminotoluene	95-53-4	mg/kg	5	30	N.D.
19	2,4-diaminotoluene/2,4-toluylendiamine/ 4-methyl-m-phenylenediamine	95-80-7	mg/kg	5	30	N.D.
20	2,4,5-trimethylaniline	137-17-7	mg/kg	5	30	N.D.
21	o-anisidine/2-methoxyaniline	90-04-0	mg/kg	5	30	N.D.
22	4-aminoazobenzene**	60-09-3	mg/kg	5	30	N.D.

No.	Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)
						42+43+44



**RESULTS:**

No.	Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)
						42+43+44
1	Biphenyl-4-ylamine/ 4-aminobiphenyl/xenylamine	92-67-1	mg/kg	5	30	N.D.
2	Benzidine	92-87-5	mg/kg	5	30	N.D.
3	4-chloro-o-toluidine	95-69-2	mg/kg	5	30	N.D.
4	2-naphthylamine	91-59-8	mg/kg	5	30	N.D.
5	o-aminoazotoluene/4-o-tolyazao-o-toluidine /4- amino-2',3-dimethylazobenzene*	97-56-3	mg/kg	5	30	N.D.
6	5-nitro-o-toluidine/2-amino-4-nitrotoluol*	99-55-8	mg/kg	5	30	N.D.
7	4-chloroaniline	106-47-8	mg/kg	5	30	N.D.
8	4-methoxy-m-phenylenediamine/ 2,4-diaminoanisole	615-05-4	mg/kg	5	30	N.D.
9	4,4'-methylenedianiline/ 4,4'-diaminodiphenylmethane	101-77-9	mg/kg	5	30	N.D.
10	3,3'-dichlorobenzidine/ 3,3'-dichlorobiphenyl-4,4'-ylenediamine	91-94-1	mg/kg	5	30	N.D.
11	3,3'-dimethoxybenzidine/o-dianisidine	119-90-4	mg/kg	5	30	N.D.
12	3,3'-dimethylbenzidine/4,4'-bi-o-toluidine	119-93-7	mg/kg	5	30	N.D.
13	4,4'-methylenedi-o-toluidine	838-88-0	mg/kg	5	30	N.D.
14	6-methoxy-m-toluidine/p-cresidine	120-71-8	mg/kg	5	30	N.D.
15	4,4'-methylene-bis-(2-chloro-aniline)/ 2,2'-dichloro-4,4'-methylene-dianiline	101-14-4	mg/kg	5	30	N.D.
16	4,4'-oxydianiline	101-80-4	mg/kg	5	30	N.D.
17	4,4'-thiodianiline	139-65-1	mg/kg	5	30	N.D.
18	o-toluidine/2-aminotoluene	95-53-4	mg/kg	5	30	N.D.
19	2,4-diaminotoluene/2,4-toluylendiamine/ 4-methyl-m-phenylenediamine	95-80-7	mg/kg	5	30	N.D.
20	2,4,5-trimethylaniline	137-17-7	mg/kg	5	30	N.D.
21	o-anisidine/2-methoxyaniline	90-04-0	mg/kg	5	30	N.D.
22	4-aminoazobenzene**	60-09-3	mg/kg	5	30	N.D.

No.	Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)
						45+46+47





**RESULTS:**

No.	Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)
						45+46+47
1	Biphenyl-4-ylamine/ 4-aminobiphenyl/xenylamine	92-67-1	mg/kg	5	30	N.D.
2	Benzidine	92-87-5	mg/kg	5	30	N.D.
3	4-chloro-o-toluidine	95-69-2	mg/kg	5	30	N.D.
4	2-naphthylamine	91-59-8	mg/kg	5	30	N.D.
5	o-aminoazotoluene/4-o-tolyazao-o-toluidine /4- amino-2',3-dimethylazobenzene*	97-56-3	mg/kg	5	30	N.D.
6	5-nitro-o-toluidine/2-amino-4-nitrotoluol*	99-55-8	mg/kg	5	30	N.D.
7	4-chloroaniline	106-47-8	mg/kg	5	30	N.D.
8	4-methoxy-m-phenylenediamine/ 2,4-diaminoanisole	615-05-4	mg/kg	5	30	N.D.
9	4,4'-methylenedianiline/ 4,4'-diaminodiphenylmethane	101-77-9	mg/kg	5	30	N.D.
10	3,3'-dichlorobenzidine/ 3,3'-dichlorobiphenyl-4,4'-ylenediamine	91-94-1	mg/kg	5	30	N.D.
11	3,3'-dimethoxybenzidine/o-dianisidine	119-90-4	mg/kg	5	30	N.D.
12	3,3'-dimethylbenzidine/4,4'-bi-o-toluidine	119-93-7	mg/kg	5	30	N.D.
13	4,4'-methylenedi-o-toluidine	838-88-0	mg/kg	5	30	N.D.
14	6-methoxy-m-toluidine/p-cresidine	120-71-8	mg/kg	5	30	N.D.
15	4,4'-methylene-bis-(2-chloro-aniline)/ 2,2'-dichloro-4,4'-methylene-dianiline	101-14-4	mg/kg	5	30	N.D.
16	4,4'-oxydianiline	101-80-4	mg/kg	5	30	N.D.
17	4,4'-thiodianiline	139-65-1	mg/kg	5	30	N.D.
18	o-toluidine/2-aminotoluene	95-53-4	mg/kg	5	30	N.D.
19	2,4-diaminotoluene/2,4-toluylendiamine/ 4-methyl-m-phenylenediamine	95-80-7	mg/kg	5	30	N.D.
20	2,4,5-trimethylaniline	137-17-7	mg/kg	5	30	N.D.
21	o-anisidine/2-methoxyaniline	90-04-0	mg/kg	5	30	N.D.
22	4-aminoazobenzene**	60-09-3	mg/kg	5	30	N.D.

No.	Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)
						48+49+50



**RESULTS:**

No.	Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)
						48+49+50
1	Biphenyl-4-ylamine/ 4-aminobiphenyl/xenylamine	92-67-1	mg/kg	5	30	N.D.
2	Benzidine	92-87-5	mg/kg	5	30	N.D.
3	4-chloro-o-toluidine	95-69-2	mg/kg	5	30	N.D.
4	2-naphthylamine	91-59-8	mg/kg	5	30	N.D.
5	o-aminoazotoluene/4-o-tolyazao-o-toluidine /4- amino-2',3-dimethylazobenzene*	97-56-3	mg/kg	5	30	N.D.
6	5-nitro-o-toluidine/2-amino-4-nitrotoluol*	99-55-8	mg/kg	5	30	N.D.
7	4-chloroaniline	106-47-8	mg/kg	5	30	N.D.
8	4-methoxy-m-phenylenediamine/ 2,4-diaminoanisole	615-05-4	mg/kg	5	30	N.D.
9	4,4'-methylenedianiline/ 4,4'-diaminodiphenylmethane	101-77-9	mg/kg	5	30	N.D.
10	3,3'-dichlorobenzidine/ 3,3'-dichlorobiphenyl-4,4'-ylenediamine	91-94-1	mg/kg	5	30	N.D.
11	3,3'-dimethoxybenzidine/o-dianisidine	119-90-4	mg/kg	5	30	N.D.
12	3,3'-dimethylbenzidine/4,4'-bi-o-toluidine	119-93-7	mg/kg	5	30	N.D.
13	4,4'-methylenedi-o-toluidine	838-88-0	mg/kg	5	30	N.D.
14	6-methoxy-m-toluidine/p-cresidine	120-71-8	mg/kg	5	30	N.D.
15	4,4'-methylene-bis-(2-chloro-aniline)/ 2,2'-dichloro-4,4'-methylene-dianiline	101-14-4	mg/kg	5	30	N.D.
16	4,4'-oxydianiline	101-80-4	mg/kg	5	30	N.D.
17	4,4'-thiodianiline	139-65-1	mg/kg	5	30	N.D.
18	o-toluidine/2-aminotoluene	95-53-4	mg/kg	5	30	N.D.
19	2,4-diaminotoluene/2,4-toluylendiamine/ 4-methyl-m-phenylenediamine	95-80-7	mg/kg	5	30	N.D.
20	2,4,5-trimethylaniline	137-17-7	mg/kg	5	30	N.D.
21	o-anisidine/2-methoxyaniline	90-04-0	mg/kg	5	30	N.D.
22	4-aminoazobenzene**	60-09-3	mg/kg	5	30	N.D.

No.	Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)
						51+52+53



**RESULTS:**

No.	Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)
						51+52+53
1	Biphenyl-4-ylamine/ 4-aminobiphenyl/xenylamine	92-67-1	mg/kg	5	30	N.D.
2	Benzidine	92-87-5	mg/kg	5	30	N.D.
3	4-chloro-o-toluidine	95-69-2	mg/kg	5	30	N.D.
4	2-naphthylamine	91-59-8	mg/kg	5	30	N.D.
5	o-aminoazotoluene/4-o-tolyazao-o-toluidine /4- amino-2',3-dimethylazobenzene*	97-56-3	mg/kg	5	30	N.D.
6	5-nitro-o-toluidine/2-amino-4-nitrotoluol*	99-55-8	mg/kg	5	30	N.D.
7	4-chloroaniline	106-47-8	mg/kg	5	30	N.D.
8	4-methoxy-m-phenylenediamine/ 2,4-diaminoanisole	615-05-4	mg/kg	5	30	N.D.
9	4,4'-methylenedianiline/ 4,4'-diaminodiphenylmethane	101-77-9	mg/kg	5	30	N.D.
10	3,3'-dichlorobenzidine/ 3,3'-dichlorobiphenyl-4,4'-ylenediamine	91-94-1	mg/kg	5	30	N.D.
11	3,3'-dimethoxybenzidine/o-dianisidine	119-90-4	mg/kg	5	30	N.D.
12	3,3'-dimethylbenzidine/4,4'-bi-o-toluidine	119-93-7	mg/kg	5	30	N.D.
13	4,4'-methylenedi-o-toluidine	838-88-0	mg/kg	5	30	N.D.
14	6-methoxy-m-toluidine/p-cresidine	120-71-8	mg/kg	5	30	N.D.
15	4,4'-methylene-bis-(2-chloro-aniline)/ 2,2'-dichloro-4,4'-methylene-dianiline	101-14-4	mg/kg	5	30	N.D.
16	4,4'-oxydianiline	101-80-4	mg/kg	5	30	N.D.
17	4,4'-thiodianiline	139-65-1	mg/kg	5	30	N.D.
18	o-toluidine/2-aminotoluene	95-53-4	mg/kg	5	30	N.D.
19	2,4-diaminotoluene/2,4-toluylendiamine/ 4-methyl-m-phenylenediamine	95-80-7	mg/kg	5	30	N.D.
20	2,4,5-trimethylaniline	137-17-7	mg/kg	5	30	N.D.
21	o-anisidine/2-methoxyaniline	90-04-0	mg/kg	5	30	N.D.
22	4-aminoazobenzene**	60-09-3	mg/kg	5	30	N.D.

No.	Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)
						56+57+58



**RESULTS:**

No.	Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)
						56+57+58
1	Biphenyl-4-ylamine/ 4-aminobiphenyl/xenylamine	92-67-1	mg/kg	5	30	N.D.
2	Benzidine	92-87-5	mg/kg	5	30	N.D.
3	4-chloro-o-toluidine	95-69-2	mg/kg	5	30	N.D.
4	2-naphthylamine	91-59-8	mg/kg	5	30	N.D.
5	o-aminoazotoluene/4-o-tolyazao-o-toluidine /4- amino-2',3-dimethylazobenzene*	97-56-3	mg/kg	5	30	N.D.
6	5-nitro-o-toluidine/2-amino-4-nitrotoluol*	99-55-8	mg/kg	5	30	N.D.
7	4-chloroaniline	106-47-8	mg/kg	5	30	N.D.
8	4-methoxy-m-phenylenediamine/ 2,4-diaminoanisole	615-05-4	mg/kg	5	30	N.D.
9	4,4'-methylenedianiline/ 4,4'-diaminodiphenylmethane	101-77-9	mg/kg	5	30	N.D.
10	3,3'-dichlorobenzidine/ 3,3'-dichlorobiphenyl-4,4'-ylenediamine	91-94-1	mg/kg	5	30	N.D.
11	3,3'-dimethoxybenzidine/o-dianisidine	119-90-4	mg/kg	5	30	N.D.
12	3,3'-dimethylbenzidine/4,4'-bi-o-toluidine	119-93-7	mg/kg	5	30	N.D.
13	4,4'-methylenedi-o-toluidine	838-88-0	mg/kg	5	30	N.D.
14	6-methoxy-m-toluidine/p-cresidine	120-71-8	mg/kg	5	30	N.D.
15	4,4'-methylene-bis-(2-chloro-aniline)/ 2,2'-dichloro-4,4'-methylene-dianiline	101-14-4	mg/kg	5	30	N.D.
16	4,4'-oxydianiline	101-80-4	mg/kg	5	30	N.D.
17	4,4'-thiodianiline	139-65-1	mg/kg	5	30	N.D.
18	o-toluidine/2-aminotoluene	95-53-4	mg/kg	5	30	N.D.
19	2,4-diaminotoluene/2,4-toluylendiamine/ 4-methyl-m-phenylenediamine	95-80-7	mg/kg	5	30	N.D.
20	2,4,5-trimethylaniline	137-17-7	mg/kg	5	30	N.D.
21	o-anisidine/2-methoxyaniline	90-04-0	mg/kg	5	30	N.D.
22	4-aminoazobenzene**	60-09-3	mg/kg	5	30	N.D.

No.	Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)
						59



**RESULTS:**

No.	Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)
						59
1	Biphenyl-4-ylamine/ 4-aminobiphenyl/xenylamine	92-67-1	mg/kg	5	30	N.D.
2	Benzidine	92-87-5	mg/kg	5	30	N.D.
3	4-chloro-o-toluidine	95-69-2	mg/kg	5	30	N.D.
4	2-naphthylamine	91-59-8	mg/kg	5	30	N.D.
5	o-aminoazotoluene/4-o-tolyazao-o-toluidine /4- amino-2',3-dimethylazobenzene*	97-56-3	mg/kg	5	30	N.D.
6	5-nitro-o-toluidine/2-amino-4-nitrotoluol*	99-55-8	mg/kg	5	30	N.D.
7	4-chloroaniline	106-47-8	mg/kg	5	30	N.D.
8	4-methoxy-m-phenylenediamine/ 2,4-diaminoanisole	615-05-4	mg/kg	5	30	N.D.
9	4,4'-methylenedianiline/ 4,4'-diaminodiphenylmethane	101-77-9	mg/kg	5	30	N.D.
10	3,3'-dichlorobenzidine/ 3,3'-dichlorobiphenyl-4,4'-ylenediamine	91-94-1	mg/kg	5	30	N.D.
11	3,3'-dimethoxybenzidine/o-dianisidine	119-90-4	mg/kg	5	30	N.D.
12	3,3'-dimethylbenzidine/4,4'-bi-o-toluidine	119-93-7	mg/kg	5	30	N.D.
13	4,4'-methylenedi-o-toluidine	838-88-0	mg/kg	5	30	N.D.
14	6-methoxy-m-toluidine/p-cresidine	120-71-8	mg/kg	5	30	N.D.
15	4,4'-methylene-bis-(2-chloro-aniline)/ 2,2'-dichloro-4,4'-methylene-dianiline	101-14-4	mg/kg	5	30	N.D.
16	4,4'-oxydianiline	101-80-4	mg/kg	5	30	N.D.
17	4,4'-thiodianiline	139-65-1	mg/kg	5	30	N.D.
18	o-toluidine/2-aminotoluene	95-53-4	mg/kg	5	30	N.D.
19	2,4-diaminotoluene/2,4-toluylendiamine/ 4-methyl-m-phenylenediamine	95-80-7	mg/kg	5	30	N.D.
20	2,4,5-trimethylaniline	137-17-7	mg/kg	5	30	N.D.
21	o-anisidine/2-methoxyaniline	90-04-0	mg/kg	5	30	N.D.
22	4-aminoazobenzene**	60-09-3	mg/kg	5	30	N.D.

No.	Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)
						60



**RESULTS:**

No.	Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)
						60
1	Biphenyl-4-ylamine/ 4-aminobiphenyl/xenylamine	92-67-1	mg/kg	5	30	N.D.
2	Benzidine	92-87-5	mg/kg	5	30	N.D.
3	4-chloro-o-toluidine	95-69-2	mg/kg	5	30	N.D.
4	2-naphthylamine	91-59-8	mg/kg	5	30	N.D.
5	o-aminoazotoluene/4-o-tolyazao-o-toluidine /4- amino-2',3-dimethylazobenzene*	97-56-3	mg/kg	5	30	N.D.
6	5-nitro-o-toluidine/2-amino-4-nitrotoluol*	99-55-8	mg/kg	5	30	N.D.
7	4-chloroaniline	106-47-8	mg/kg	5	30	N.D.
8	4-methoxy-m-phenylenediamine/ 2,4-diaminoanisole	615-05-4	mg/kg	5	30	N.D.
9	4,4'-methylenedianiline/ 4,4'-diaminodiphenylmethane	101-77-9	mg/kg	5	30	N.D.
10	3,3'-dichlorobenzidine/ 3,3'-dichlorobiphenyl-4,4'-ylenediamine	91-94-1	mg/kg	5	30	N.D.
11	3,3'-dimethoxybenzidine/o-dianisidine	119-90-4	mg/kg	5	30	N.D.
12	3,3'-dimethylbenzidine/4,4'-bi-o-toluidine	119-93-7	mg/kg	5	30	N.D.
13	4,4'-methylenedi-o-toluidine	838-88-0	mg/kg	5	30	N.D.
14	6-methoxy-m-toluidine/p-cresidine	120-71-8	mg/kg	5	30	N.D.
15	4,4'-methylene-bis-(2-chloro-aniline)/ 2,2'-dichloro-4,4'-methylene-dianiline	101-14-4	mg/kg	5	30	N.D.
16	4,4'-oxydianiline	101-80-4	mg/kg	5	30	N.D.
17	4,4'-thiodianiline	139-65-1	mg/kg	5	30	N.D.
18	o-toluidine/2-aminotoluene	95-53-4	mg/kg	5	30	N.D.
19	2,4-diaminotoluene/2,4-toluylendiamine/ 4-methyl-m-phenylenediamine	95-80-7	mg/kg	5	30	N.D.
20	2,4,5-trimethylaniline	137-17-7	mg/kg	5	30	N.D.
21	o-anisidine/2-methoxyaniline	90-04-0	mg/kg	5	30	N.D.
22	4-aminoazobenzene**	60-09-3	mg/kg	5	30	N.D.

No.	Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)
						61



**RESULTS:**

No.	Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)
						61
1	Biphenyl-4-ylamine/ 4-aminobiphenyl/xenylamine	92-67-1	mg/kg	5	30	N.D.
2	Benzidine	92-87-5	mg/kg	5	30	N.D.
3	4-chloro-o-toluidine	95-69-2	mg/kg	5	30	N.D.
4	2-naphthylamine	91-59-8	mg/kg	5	30	N.D.
5	o-aminoazotoluene/4-o-tolyazao-o-toluidine /4- amino-2',3-dimethylazobenzene*	97-56-3	mg/kg	5	30	N.D.
6	5-nitro-o-toluidine/2-amino-4-nitrotoluol*	99-55-8	mg/kg	5	30	N.D.
7	4-chloroaniline	106-47-8	mg/kg	5	30	N.D.
8	4-methoxy-m-phenylenediamine/ 2,4-diaminoanisole	615-05-4	mg/kg	5	30	N.D.
9	4,4'-methylenedianiline/ 4,4'-diaminodiphenylmethane	101-77-9	mg/kg	5	30	N.D.
10	3,3'-dichlorobenzidine/ 3,3'-dichlorobiphenyl-4,4'-ylenediamine	91-94-1	mg/kg	5	30	N.D.
11	3,3'-dimethoxybenzidine/o-dianisidine	119-90-4	mg/kg	5	30	N.D.
12	3,3'-dimethylbenzidine/4,4'-bi-o-toluidine	119-93-7	mg/kg	5	30	N.D.
13	4,4'-methylenedi-o-toluidine	838-88-0	mg/kg	5	30	N.D.
14	6-methoxy-m-toluidine/p-cresidine	120-71-8	mg/kg	5	30	N.D.
15	4,4'-methylene-bis-(2-chloro-aniline)/ 2,2'-dichloro-4,4'-methylene-dianiline	101-14-4	mg/kg	5	30	N.D.
16	4,4'-oxydianiline	101-80-4	mg/kg	5	30	N.D.
17	4,4'-thiodianiline	139-65-1	mg/kg	5	30	N.D.
18	o-toluidine/2-aminotoluene	95-53-4	mg/kg	5	30	N.D.
19	2,4-diaminotoluene/2,4-toluylendiamine/ 4-methyl-m-phenylenediamine	95-80-7	mg/kg	5	30	N.D.
20	2,4,5-trimethylaniline	137-17-7	mg/kg	5	30	N.D.
21	o-anisidine/2-methoxyaniline	90-04-0	mg/kg	5	30	N.D.
22	4-aminoazobenzene**	60-09-3	mg/kg	5	30	N.D.

No.	Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)
						63



**RESULTS:**

No.	Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)
						63
1	Biphenyl-4-ylamine/ 4-aminobiphenyl/xenylamine	92-67-1	mg/kg	5	30	N.D.
2	Benzidine	92-87-5	mg/kg	5	30	N.D.
3	4-chloro-o-toluidine	95-69-2	mg/kg	5	30	N.D.
4	2-naphthylamine	91-59-8	mg/kg	5	30	N.D.
5	o-aminoazotoluene/4-o-tolyazao-o-toluidine /4- amino-2',3-dimethylazobenzene*	97-56-3	mg/kg	5	30	N.D.
6	5-nitro-o-toluidine/2-amino-4-nitrotoluol*	99-55-8	mg/kg	5	30	N.D.
7	4-chloroaniline	106-47-8	mg/kg	5	30	N.D.
8	4-methoxy-m-phenylenediamine/ 2,4-diaminoanisole	615-05-4	mg/kg	5	30	N.D.
9	4,4'-methylenedianiline/ 4,4'-diaminodiphenylmethane	101-77-9	mg/kg	5	30	N.D.
10	3,3'-dichlorobenzidine/ 3,3'-dichlorobiphenyl-4,4'-ylenediamine	91-94-1	mg/kg	5	30	N.D.
11	3,3'-dimethoxybenzidine/o-dianisidine	119-90-4	mg/kg	5	30	N.D.
12	3,3'-dimethylbenzidine/4,4'-bi-o-toluidine	119-93-7	mg/kg	5	30	N.D.
13	4,4'-methylenedi-o-toluidine	838-88-0	mg/kg	5	30	N.D.
14	6-methoxy-m-toluidine/p-cresidine	120-71-8	mg/kg	5	30	N.D.
15	4,4'-methylene-bis-(2-chloro-aniline)/ 2,2'-dichloro-4,4'-methylene-dianiline	101-14-4	mg/kg	5	30	N.D.
16	4,4'-oxydianiline	101-80-4	mg/kg	5	30	N.D.
17	4,4'-thiodianiline	139-65-1	mg/kg	5	30	N.D.
18	o-toluidine/2-aminotoluene	95-53-4	mg/kg	5	30	N.D.
19	2,4-diaminotoluene/2,4-toluylendiamine/ 4-methyl-m-phenylenediamine	95-80-7	mg/kg	5	30	N.D.
20	2,4,5-trimethylaniline	137-17-7	mg/kg	5	30	N.D.
21	o-anisidine/2-methoxyaniline	90-04-0	mg/kg	5	30	N.D.
22	4-aminoazobenzene**	60-09-3	mg/kg	5	30	N.D.

No.	Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)
						65





**RESULTS:**

No.	Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)
						65
1	Biphenyl-4-ylamine/ 4-aminobiphenyl/xenylamine	92-67-1	mg/kg	5	30	N.D.
2	Benzidine	92-87-5	mg/kg	5	30	N.D.
3	4-chloro-o-toluidine	95-69-2	mg/kg	5	30	N.D.
4	2-naphthylamine	91-59-8	mg/kg	5	30	N.D.
5	o-aminoazotoluene/4-o-tolyazao-o-toluidine /4- amino-2',3-dimethylazobenzene*	97-56-3	mg/kg	5	30	N.D.
6	5-nitro-o-toluidine/2-amino-4-nitrotoluol*	99-55-8	mg/kg	5	30	N.D.
7	4-chloroaniline	106-47-8	mg/kg	5	30	N.D.
8	4-methoxy-m-phenylenediamine/ 2,4-diaminoanisole	615-05-4	mg/kg	5	30	N.D.
9	4,4'-methylenedianiline/ 4,4'-diaminodiphenylmethane	101-77-9	mg/kg	5	30	N.D.
10	3,3'-dichlorobenzidine/ 3,3'-dichlorobiphenyl-4,4'-ylenediamine	91-94-1	mg/kg	5	30	N.D.
11	3,3'-dimethoxybenzidine/o-dianisidine	119-90-4	mg/kg	5	30	N.D.
12	3,3'-dimethylbenzidine/4,4'-bi-o-toluidine	119-93-7	mg/kg	5	30	N.D.
13	4,4'-methylenedi-o-toluidine	838-88-0	mg/kg	5	30	N.D.
14	6-methoxy-m-toluidine/p-cresidine	120-71-8	mg/kg	5	30	N.D.
15	4,4'-methylene-bis-(2-chloro-aniline)/ 2,2'-dichloro-4,4'-methylene-dianiline	101-14-4	mg/kg	5	30	N.D.
16	4,4'-oxydianiline	101-80-4	mg/kg	5	30	N.D.
17	4,4'-thiodianiline	139-65-1	mg/kg	5	30	N.D.
18	o-toluidine/2-aminotoluene	95-53-4	mg/kg	5	30	N.D.
19	2,4-diaminotoluene/2,4-toluylendiamine/ 4-methyl-m-phenylenediamine	95-80-7	mg/kg	5	30	N.D.
20	2,4,5-trimethylaniline	137-17-7	mg/kg	5	30	N.D.
21	o-anisidine/2-methoxyaniline	90-04-0	mg/kg	5	30	N.D.
22	4-aminoazobenzene**	60-09-3	mg/kg	5	30	N.D.

No.	Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)
						66+67+68



**RESULTS:**

No.	Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)
						66+67+68
1	Biphenyl-4-ylamine/ 4-aminobiphenyl/xenylamine	92-67-1	mg/kg	5	30	N.D.
2	Benzidine	92-87-5	mg/kg	5	30	N.D.
3	4-chloro-o-toluidine	95-69-2	mg/kg	5	30	N.D.
4	2-naphthylamine	91-59-8	mg/kg	5	30	N.D.
5	o-aminoazotoluene/4-o-tolyazao-o-toluidine /4- amino-2',3-dimethylazobenzene*	97-56-3	mg/kg	5	30	N.D.
6	5-nitro-o-toluidine/2-amino-4-nitrotoluol*	99-55-8	mg/kg	5	30	N.D.
7	4-chloroaniline	106-47-8	mg/kg	5	30	N.D.
8	4-methoxy-m-phenylenediamine/ 2,4-diaminoanisole	615-05-4	mg/kg	5	30	N.D.
9	4,4'-methylenedianiline/ 4,4'-diaminodiphenylmethane	101-77-9	mg/kg	5	30	N.D.
10	3,3'-dichlorobenzidine/ 3,3'-dichlorobiphenyl-4,4'-ylenediamine	91-94-1	mg/kg	5	30	N.D.
11	3,3'-dimethoxybenzidine/o-dianisidine	119-90-4	mg/kg	5	30	N.D.
12	3,3'-dimethylbenzidine/4,4'-bi-o-toluidine	119-93-7	mg/kg	5	30	N.D.
13	4,4'-methylenedi-o-toluidine	838-88-0	mg/kg	5	30	N.D.
14	6-methoxy-m-toluidine/p-cresidine	120-71-8	mg/kg	5	30	N.D.
15	4,4'-methylene-bis-(2-chloro-aniline)/ 2,2'-dichloro-4,4'-methylene-dianiline	101-14-4	mg/kg	5	30	N.D.
16	4,4'-oxydianiline	101-80-4	mg/kg	5	30	N.D.
17	4,4'-thiodianiline	139-65-1	mg/kg	5	30	N.D.
18	o-toluidine/2-aminotoluene	95-53-4	mg/kg	5	30	N.D.
19	2,4-diaminotoluene/2,4-toluylendiamine/ 4-methyl-m-phenylenediamine	95-80-7	mg/kg	5	30	N.D.
20	2,4,5-trimethylaniline	137-17-7	mg/kg	5	30	N.D.
21	o-anisidine/2-methoxyaniline	90-04-0	mg/kg	5	30	N.D.
22	4-aminoazobenzene**	60-09-3	mg/kg	5	30	N.D.

No.	Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)
						69+70+71



**RESULTS:**

No.	Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)
						69+70+71
1	Biphenyl-4-ylamine/ 4-aminobiphenyl/xenylamine	92-67-1	mg/kg	5	30	N.D.
2	Benzidine	92-87-5	mg/kg	5	30	N.D.
3	4-chloro-o-toluidine	95-69-2	mg/kg	5	30	N.D.
4	2-naphthylamine	91-59-8	mg/kg	5	30	N.D.
5	o-aminoazotoluene/4-o-tolyazao-o-toluidine /4- amino-2',3-dimethylazobenzene*	97-56-3	mg/kg	5	30	N.D.
6	5-nitro-o-toluidine/2-amino-4-nitrotoluol*	99-55-8	mg/kg	5	30	N.D.
7	4-chloroaniline	106-47-8	mg/kg	5	30	N.D.
8	4-methoxy-m-phenylenediamine/ 2,4-diaminoanisole	615-05-4	mg/kg	5	30	N.D.
9	4,4'-methylenedianiline/ 4,4'-diaminodiphenylmethane	101-77-9	mg/kg	5	30	N.D.
10	3,3'-dichlorobenzidine/ 3,3'-dichlorobiphenyl-4,4'-ylenediamine	91-94-1	mg/kg	5	30	N.D.
11	3,3'-dimethoxybenzidine/o-dianisidine	119-90-4	mg/kg	5	30	N.D.
12	3,3'-dimethylbenzidine/4,4'-bi-o-toluidine	119-93-7	mg/kg	5	30	N.D.
13	4,4'-methylenedi-o-toluidine	838-88-0	mg/kg	5	30	N.D.
14	6-methoxy-m-toluidine/p-cresidine	120-71-8	mg/kg	5	30	N.D.
15	4,4'-methylene-bis-(2-chloro-aniline)/ 2,2'-dichloro-4,4'-methylene-dianiline	101-14-4	mg/kg	5	30	N.D.
16	4,4'-oxydianiline	101-80-4	mg/kg	5	30	N.D.
17	4,4'-thiodianiline	139-65-1	mg/kg	5	30	N.D.
18	o-toluidine/2-aminotoluene	95-53-4	mg/kg	5	30	N.D.
19	2,4-diaminotoluene/2,4-toluylendiamine/ 4-methyl-m-phenylenediamine	95-80-7	mg/kg	5	30	N.D.
20	2,4,5-trimethylaniline	137-17-7	mg/kg	5	30	N.D.
21	o-anisidine/2-methoxyaniline	90-04-0	mg/kg	5	30	N.D.
22	4-aminoazobenzene**	60-09-3	mg/kg	5	30	N.D.

No.	Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)
						72+73+74



**RESULTS:**

No.	Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)
						72+73+74
1	Biphenyl-4-ylamine/ 4-aminobiphenyl/xenylamine	92-67-1	mg/kg	5	30	N.D.
2	Benzidine	92-87-5	mg/kg	5	30	N.D.
3	4-chloro-o-toluidine	95-69-2	mg/kg	5	30	N.D.
4	2-naphthylamine	91-59-8	mg/kg	5	30	N.D.
5	o-aminoazotoluene/4-o-tolyazao-o-toluidine /4- amino-2',3-dimethylazobenzene*	97-56-3	mg/kg	5	30	N.D.
6	5-nitro-o-toluidine/2-amino-4-nitrotoluol*	99-55-8	mg/kg	5	30	N.D.
7	4-chloroaniline	106-47-8	mg/kg	5	30	N.D.
8	4-methoxy-m-phenylenediamine/ 2,4-diaminoanisole	615-05-4	mg/kg	5	30	N.D.
9	4,4'-methylenedianiline/ 4,4'-diaminodiphenylmethane	101-77-9	mg/kg	5	30	N.D.
10	3,3'-dichlorobenzidine/ 3,3'-dichlorobiphenyl-4,4'-ylenediamine	91-94-1	mg/kg	5	30	N.D.
11	3,3'-dimethoxybenzidine/o-dianisidine	119-90-4	mg/kg	5	30	N.D.
12	3,3'-dimethylbenzidine/4,4'-bi-o-toluidine	119-93-7	mg/kg	5	30	N.D.
13	4,4'-methylenedi-o-toluidine	838-88-0	mg/kg	5	30	N.D.
14	6-methoxy-m-toluidine/p-cresidine	120-71-8	mg/kg	5	30	N.D.
15	4,4'-methylene-bis-(2-chloro-aniline)/ 2,2'-dichloro-4,4'-methylene-dianiline	101-14-4	mg/kg	5	30	N.D.
16	4,4'-oxydianiline	101-80-4	mg/kg	5	30	N.D.
17	4,4'-thiodianiline	139-65-1	mg/kg	5	30	N.D.
18	o-toluidine/2-aminotoluene	95-53-4	mg/kg	5	30	N.D.
19	2,4-diaminotoluene/2,4-toluylendiamine/ 4-methyl-m-phenylenediamine	95-80-7	mg/kg	5	30	N.D.
20	2,4,5-trimethylaniline	137-17-7	mg/kg	5	30	N.D.
21	o-anisidine/2-methoxyaniline	90-04-0	mg/kg	5	30	N.D.
22	4-aminoazobenzene**	60-09-3	mg/kg	5	30	N.D.

No.	Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)
						75+76+77



**RESULTS:**

No.	Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)
						75+76+77
1	Biphenyl-4-ylamine/ 4-aminobiphenyl/xenylamine	92-67-1	mg/kg	5	30	N.D.
2	Benzidine	92-87-5	mg/kg	5	30	N.D.
3	4-chloro-o-toluidine	95-69-2	mg/kg	5	30	N.D.
4	2-naphthylamine	91-59-8	mg/kg	5	30	N.D.
5	o-aminoazotoluene/4-o-tolyazao-o-toluidine /4- amino-2',3-dimethylazobenzene*	97-56-3	mg/kg	5	30	N.D.
6	5-nitro-o-toluidine/2-amino-4-nitrotoluol*	99-55-8	mg/kg	5	30	N.D.
7	4-chloroaniline	106-47-8	mg/kg	5	30	N.D.
8	4-methoxy-m-phenylenediamine/ 2,4-diaminoanisole	615-05-4	mg/kg	5	30	N.D.
9	4,4'-methylenedianiline/ 4,4'-diaminodiphenylmethane	101-77-9	mg/kg	5	30	N.D.
10	3,3'-dichlorobenzidine/ 3,3'-dichlorobiphenyl-4,4'-ylenediamine	91-94-1	mg/kg	5	30	N.D.
11	3,3'-dimethoxybenzidine/o-dianisidine	119-90-4	mg/kg	5	30	N.D.
12	3,3'-dimethylbenzidine/4,4'-bi-o-toluidine	119-93-7	mg/kg	5	30	N.D.
13	4,4'-methylenedi-o-toluidine	838-88-0	mg/kg	5	30	N.D.
14	6-methoxy-m-toluidine/p-cresidine	120-71-8	mg/kg	5	30	N.D.
15	4,4'-methylene-bis-(2-chloro-aniline)/ 2,2'-dichloro-4,4'-methylene-dianiline	101-14-4	mg/kg	5	30	N.D.
16	4,4'-oxydianiline	101-80-4	mg/kg	5	30	N.D.
17	4,4'-thiodianiline	139-65-1	mg/kg	5	30	N.D.
18	o-toluidine/2-aminotoluene	95-53-4	mg/kg	5	30	N.D.
19	2,4-diaminotoluene/2,4-toluylendiamine/ 4-methyl-m-phenylenediamine	95-80-7	mg/kg	5	30	N.D.
20	2,4,5-trimethylaniline	137-17-7	mg/kg	5	30	N.D.
21	o-anisidine/2-methoxyaniline	90-04-0	mg/kg	5	30	N.D.
22	4-aminoazobenzene**	60-09-3	mg/kg	5	30	N.D.

No.	Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)
						78+79+80



**RESULTS:**

No.	Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)
						78+79+80
1	Biphenyl-4-ylamine/ 4-aminobiphenyl/xenylamine	92-67-1	mg/kg	5	30	N.D.
2	Benzidine	92-87-5	mg/kg	5	30	N.D.
3	4-chloro-o-toluidine	95-69-2	mg/kg	5	30	N.D.
4	2-naphthylamine	91-59-8	mg/kg	5	30	N.D.
5	o-aminoazotoluene/4-o-tolyazao-o-toluidine /4- amino-2',3-dimethylazobenzene*	97-56-3	mg/kg	5	30	N.D.
6	5-nitro-o-toluidine/2-amino-4-nitrotoluol*	99-55-8	mg/kg	5	30	N.D.
7	4-chloroaniline	106-47-8	mg/kg	5	30	N.D.
8	4-methoxy-m-phenylenediamine/ 2,4-diaminoanisole	615-05-4	mg/kg	5	30	N.D.
9	4,4'-methylenedianiline/ 4,4'-diaminodiphenylmethane	101-77-9	mg/kg	5	30	N.D.
10	3,3'-dichlorobenzidine/ 3,3'-dichlorobiphenyl-4,4'-ylenediamine	91-94-1	mg/kg	5	30	N.D.
11	3,3'-dimethoxybenzidine/o-dianisidine	119-90-4	mg/kg	5	30	N.D.
12	3,3'-dimethylbenzidine/4,4'-bi-o-toluidine	119-93-7	mg/kg	5	30	N.D.
13	4,4'-methylenedi-o-toluidine	838-88-0	mg/kg	5	30	N.D.
14	6-methoxy-m-toluidine/p-cresidine	120-71-8	mg/kg	5	30	N.D.
15	4,4'-methylene-bis-(2-chloro-aniline)/ 2,2'-dichloro-4,4'-methylene-dianiline	101-14-4	mg/kg	5	30	N.D.
16	4,4'-oxydianiline	101-80-4	mg/kg	5	30	N.D.
17	4,4'-thiodianiline	139-65-1	mg/kg	5	30	N.D.
18	o-toluidine/2-aminotoluene	95-53-4	mg/kg	5	30	N.D.
19	2,4-diaminotoluene/2,4-toluylendiamine/ 4-methyl-m-phenylenediamine	95-80-7	mg/kg	5	30	N.D.
20	2,4,5-trimethylaniline	137-17-7	mg/kg	5	30	N.D.
21	o-anisidine/2-methoxyaniline	90-04-0	mg/kg	5	30	N.D.
22	4-aminoazobenzene**	60-09-3	mg/kg	5	30	N.D.

No.	Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)
						81



**RESULTS:**

No.	Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)
						81
1	Biphenyl-4-ylamine/ 4-aminobiphenyl/xenylamine	92-67-1	mg/kg	5	30	N.D.
2	Benzidine	92-87-5	mg/kg	5	30	N.D.
3	4-chloro-o-toluidine	95-69-2	mg/kg	5	30	N.D.
4	2-naphthylamine	91-59-8	mg/kg	5	30	N.D.
5	o-aminoazotoluene/4-o-tolyazao-o-toluidine /4- amino-2',3-dimethylazobenzene*	97-56-3	mg/kg	5	30	N.D.
6	5-nitro-o-toluidine/2-amino-4-nitrotoluol*	99-55-8	mg/kg	5	30	N.D.
7	4-chloroaniline	106-47-8	mg/kg	5	30	N.D.
8	4-methoxy-m-phenylenediamine/ 2,4-diaminoanisole	615-05-4	mg/kg	5	30	N.D.
9	4,4'-methylenedianiline/ 4,4'-diaminodiphenylmethane	101-77-9	mg/kg	5	30	N.D.
10	3,3'-dichlorobenzidine/ 3,3'-dichlorobiphenyl-4,4'-ylenediamine	91-94-1	mg/kg	5	30	N.D.
11	3,3'-dimethoxybenzidine/o-dianisidine	119-90-4	mg/kg	5	30	N.D.
12	3,3'-dimethylbenzidine/4,4'-bi-o-toluidine	119-93-7	mg/kg	5	30	N.D.
13	4,4'-methylenedi-o-toluidine	838-88-0	mg/kg	5	30	N.D.
14	6-methoxy-m-toluidine/p-cresidine	120-71-8	mg/kg	5	30	N.D.
15	4,4'-methylene-bis-(2-chloro-aniline)/ 2,2'-dichloro-4,4'-methylene-dianiline	101-14-4	mg/kg	5	30	N.D.
16	4,4'-oxydianiline	101-80-4	mg/kg	5	30	N.D.
17	4,4'-thiodianiline	139-65-1	mg/kg	5	30	N.D.
18	o-toluidine/2-aminotoluene	95-53-4	mg/kg	5	30	N.D.
19	2,4-diaminotoluene/2,4-toluylendiamine/ 4-methyl-m-phenylenediamine	95-80-7	mg/kg	5	30	N.D.
20	2,4,5-trimethylaniline	137-17-7	mg/kg	5	30	N.D.
21	o-anisidine/2-methoxyaniline	90-04-0	mg/kg	5	30	N.D.
22	4-aminoazobenzene**	60-09-3	mg/kg	5	30	N.D.

No.	Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)
						82



**RESULTS:**

No.	Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)
						82
1	Biphenyl-4-ylamine/ 4-aminobiphenyl/xenylamine	92-67-1	mg/kg	5	30	N.D.
2	Benzidine	92-87-5	mg/kg	5	30	N.D.
3	4-chloro-o-toluidine	95-69-2	mg/kg	5	30	N.D.
4	2-naphthylamine	91-59-8	mg/kg	5	30	N.D.
5	o-aminoazotoluene/4-o-tolyazao-o-toluidine /4- amino-2',3-dimethylazobenzene*	97-56-3	mg/kg	5	30	N.D.
6	5-nitro-o-toluidine/2-amino-4-nitrotoluol*	99-55-8	mg/kg	5	30	N.D.
7	4-chloroaniline	106-47-8	mg/kg	5	30	N.D.
8	4-methoxy-m-phenylenediamine/ 2,4-diaminoanisole	615-05-4	mg/kg	5	30	N.D.
9	4,4'-methylenedianiline/ 4,4'-diaminodiphenylmethane	101-77-9	mg/kg	5	30	N.D.
10	3,3'-dichlorobenzidine/ 3,3'-dichlorobiphenyl-4,4'-ylenediamine	91-94-1	mg/kg	5	30	N.D.
11	3,3'-dimethoxybenzidine/o-dianisidine	119-90-4	mg/kg	5	30	N.D.
12	3,3'-dimethylbenzidine/4,4'-bi-o-toluidine	119-93-7	mg/kg	5	30	N.D.
13	4,4'-methylenedi-o-toluidine	838-88-0	mg/kg	5	30	N.D.
14	6-methoxy-m-toluidine/p-cresidine	120-71-8	mg/kg	5	30	N.D.
15	4,4'-methylene-bis-(2-chloro-aniline)/ 2,2'-dichloro-4,4'-methylene-dianiline	101-14-4	mg/kg	5	30	N.D.
16	4,4'-oxydianiline	101-80-4	mg/kg	5	30	N.D.
17	4,4'-thiodianiline	139-65-1	mg/kg	5	30	N.D.
18	o-toluidine/2-aminotoluene	95-53-4	mg/kg	5	30	N.D.
19	2,4-diaminotoluene/2,4-toluylendiamine/ 4-methyl-m-phenylenediamine	95-80-7	mg/kg	5	30	N.D.
20	2,4,5-trimethylaniline	137-17-7	mg/kg	5	30	N.D.
21	o-anisidine/2-methoxyaniline	90-04-0	mg/kg	5	30	N.D.
22	4-aminoazobenzene**	60-09-3	mg/kg	5	30	N.D.

No.	Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)
						83





**RESULTS:**

No.	Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)
						83
1	Biphenyl-4-ylamine/ 4-aminobiphenyl/xenylamine	92-67-1	mg/kg	5	30	N.D.
2	Benzidine	92-87-5	mg/kg	5	30	N.D.
3	4-chloro-o-toluidine	95-69-2	mg/kg	5	30	N.D.
4	2-naphthylamine	91-59-8	mg/kg	5	30	N.D.
5	o-aminoazotoluene/4-o-tolyazao-o-toluidine /4- amino-2',3-dimethylazobenzene*	97-56-3	mg/kg	5	30	N.D.
6	5-nitro-o-toluidine/2-amino-4-nitrotoluol*	99-55-8	mg/kg	5	30	N.D.
7	4-chloroaniline	106-47-8	mg/kg	5	30	N.D.
8	4-methoxy-m-phenylenediamine/ 2,4-diaminoanisole	615-05-4	mg/kg	5	30	N.D.
9	4,4'-methylenedianiline/ 4,4'-diaminodiphenylmethane	101-77-9	mg/kg	5	30	N.D.
10	3,3'-dichlorobenzidine/ 3,3'-dichlorobiphenyl-4,4'-ylenediamine	91-94-1	mg/kg	5	30	N.D.
11	3,3'-dimethoxybenzidine/o-dianisidine	119-90-4	mg/kg	5	30	N.D.
12	3,3'-dimethylbenzidine/4,4'-bi-o-toluidine	119-93-7	mg/kg	5	30	N.D.
13	4,4'-methylenedi-o-toluidine	838-88-0	mg/kg	5	30	N.D.
14	6-methoxy-m-toluidine/p-cresidine	120-71-8	mg/kg	5	30	N.D.
15	4,4'-methylene-bis-(2-chloro-aniline)/ 2,2'-dichloro-4,4'-methylene-dianiline	101-14-4	mg/kg	5	30	N.D.
16	4,4'-oxydianiline	101-80-4	mg/kg	5	30	N.D.
17	4,4'-thiodianiline	139-65-1	mg/kg	5	30	N.D.
18	o-toluidine/2-aminotoluene	95-53-4	mg/kg	5	30	N.D.
19	2,4-diaminotoluene/2,4-toluylendiamine/ 4-methyl-m-phenylenediamine	95-80-7	mg/kg	5	30	N.D.
20	2,4,5-trimethylaniline	137-17-7	mg/kg	5	30	N.D.
21	o-anisidine/2-methoxyaniline	90-04-0	mg/kg	5	30	N.D.
22	4-aminoazobenzene**	60-09-3	mg/kg	5	30	N.D.

No.	Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)
						84



**RESULTS:**

No.	Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)
						84
1	Biphenyl-4-ylamine/ 4-aminobiphenyl/xenylamine	92-67-1	mg/kg	5	30	N.D.
2	Benzidine	92-87-5	mg/kg	5	30	N.D.
3	4-chloro-o-toluidine	95-69-2	mg/kg	5	30	N.D.
4	2-naphthylamine	91-59-8	mg/kg	5	30	N.D.
5	o-aminoazotoluene/4-o-tolyazao-o-toluidine /4- amino-2',3-dimethylazobenzene*	97-56-3	mg/kg	5	30	N.D.
6	5-nitro-o-toluidine/2-amino-4-nitrotoluol*	99-55-8	mg/kg	5	30	N.D.
7	4-chloroaniline	106-47-8	mg/kg	5	30	N.D.
8	4-methoxy-m-phenylenediamine/ 2,4-diaminoanisole	615-05-4	mg/kg	5	30	N.D.
9	4,4'-methylenedianiline/ 4,4'-diaminodiphenylmethane	101-77-9	mg/kg	5	30	N.D.
10	3,3'-dichlorobenzidine/ 3,3'-dichlorobiphenyl-4,4'-ylenediamine	91-94-1	mg/kg	5	30	N.D.
11	3,3'-dimethoxybenzidine/o-dianisidine	119-90-4	mg/kg	5	30	N.D.
12	3,3'-dimethylbenzidine/4,4'-bi-o-toluidine	119-93-7	mg/kg	5	30	N.D.
13	4,4'-methylenedi-o-toluidine	838-88-0	mg/kg	5	30	N.D.
14	6-methoxy-m-toluidine/p-cresidine	120-71-8	mg/kg	5	30	N.D.
15	4,4'-methylene-bis-(2-chloro-aniline)/ 2,2'-dichloro-4,4'-methylene-dianiline	101-14-4	mg/kg	5	30	N.D.
16	4,4'-oxydianiline	101-80-4	mg/kg	5	30	N.D.
17	4,4'-thiodianiline	139-65-1	mg/kg	5	30	N.D.
18	o-toluidine/2-aminotoluene	95-53-4	mg/kg	5	30	N.D.
19	2,4-diaminotoluene/2,4-toluylendiamine/ 4-methyl-m-phenylenediamine	95-80-7	mg/kg	5	30	N.D.
20	2,4,5-trimethylaniline	137-17-7	mg/kg	5	30	N.D.
21	o-anisidine/2-methoxyaniline	90-04-0	mg/kg	5	30	N.D.
22	4-aminoazobenzene**	60-09-3	mg/kg	5	30	N.D.

No.	Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)
						87



**RESULTS:**

No.	Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)
						87
1	Biphenyl-4-ylamine/ 4-aminobiphenyl/xenylamine	92-67-1	mg/kg	5	30	N.D.
2	Benzidine	92-87-5	mg/kg	5	30	N.D.
3	4-chloro-o-toluidine	95-69-2	mg/kg	5	30	N.D.
4	2-naphthylamine	91-59-8	mg/kg	5	30	N.D.
5	o-aminoazotoluene/4-o-tolyazao-o-toluidine /4- amino-2',3-dimethylazobenzene*	97-56-3	mg/kg	5	30	N.D.
6	5-nitro-o-toluidine/2-amino-4-nitrotoluol*	99-55-8	mg/kg	5	30	N.D.
7	4-chloroaniline	106-47-8	mg/kg	5	30	N.D.
8	4-methoxy-m-phenylenediamine/ 2,4-diaminoanisole	615-05-4	mg/kg	5	30	N.D.
9	4,4'-methylenedianiline/ 4,4'-diaminodiphenylmethane	101-77-9	mg/kg	5	30	N.D.
10	3,3'-dichlorobenzidine/ 3,3'-dichlorobiphenyl-4,4'-ylenediamine	91-94-1	mg/kg	5	30	N.D.
11	3,3'-dimethoxybenzidine/o-dianisidine	119-90-4	mg/kg	5	30	N.D.
12	3,3'-dimethylbenzidine/4,4'-bi-o-toluidine	119-93-7	mg/kg	5	30	N.D.
13	4,4'-methylenedi-o-toluidine	838-88-0	mg/kg	5	30	N.D.
14	6-methoxy-m-toluidine/p-cresidine	120-71-8	mg/kg	5	30	N.D.
15	4,4'-methylene-bis-(2-chloro-aniline)/ 2,2'-dichloro-4,4'-methylene-dianiline	101-14-4	mg/kg	5	30	N.D.
16	4,4'-oxydianiline	101-80-4	mg/kg	5	30	N.D.
17	4,4'-thiodianiline	139-65-1	mg/kg	5	30	N.D.
18	o-toluidine/2-aminotoluene	95-53-4	mg/kg	5	30	N.D.
19	2,4-diaminotoluene/2,4-toluylendiamine/ 4-methyl-m-phenylenediamine	95-80-7	mg/kg	5	30	N.D.
20	2,4,5-trimethylaniline	137-17-7	mg/kg	5	30	N.D.
21	o-anisidine/2-methoxyaniline	90-04-0	mg/kg	5	30	N.D.
22	4-aminoazobenzene**	60-09-3	mg/kg	5	30	N.D.

No.	Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)
						88



**RESULTS:**

No.	Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)
						88
1	Biphenyl-4-ylamine/ 4-aminobiphenyl/xenylamine	92-67-1	mg/kg	5	30	N.D.
2	Benzidine	92-87-5	mg/kg	5	30	N.D.
3	4-chloro-o-toluidine	95-69-2	mg/kg	5	30	N.D.
4	2-naphthylamine	91-59-8	mg/kg	5	30	N.D.
5	o-aminoazotoluene/4-o-tolyazao-o-toluidine /4- amino-2',3-dimethylazobenzene*	97-56-3	mg/kg	5	30	N.D.
6	5-nitro-o-toluidine/2-amino-4-nitrotoluol*	99-55-8	mg/kg	5	30	N.D.
7	4-chloroaniline	106-47-8	mg/kg	5	30	N.D.
8	4-methoxy-m-phenylenediamine/ 2,4-diaminoanisole	615-05-4	mg/kg	5	30	N.D.
9	4,4'-methylenedianiline/ 4,4'-diaminodiphenylmethane	101-77-9	mg/kg	5	30	N.D.
10	3,3'-dichlorobenzidine/ 3,3'-dichlorobiphenyl-4,4'-ylenediamine	91-94-1	mg/kg	5	30	N.D.
11	3,3'-dimethoxybenzidine/o-dianisidine	119-90-4	mg/kg	5	30	N.D.
12	3,3'-dimethylbenzidine/4,4'-bi-o-toluidine	119-93-7	mg/kg	5	30	N.D.
13	4,4'-methylenedi-o-toluidine	838-88-0	mg/kg	5	30	N.D.
14	6-methoxy-m-toluidine/p-cresidine	120-71-8	mg/kg	5	30	N.D.
15	4,4'-methylene-bis-(2-chloro-aniline)/ 2,2'-dichloro-4,4'-methylene-dianiline	101-14-4	mg/kg	5	30	N.D.
16	4,4'-oxydianiline	101-80-4	mg/kg	5	30	N.D.
17	4,4'-thiodianiline	139-65-1	mg/kg	5	30	N.D.
18	o-toluidine/2-aminotoluene	95-53-4	mg/kg	5	30	N.D.
19	2,4-diaminotoluene/2,4-toluylendiamine/ 4-methyl-m-phenylenediamine	95-80-7	mg/kg	5	30	N.D.
20	2,4,5-trimethylaniline	137-17-7	mg/kg	5	30	N.D.
21	o-anisidine/2-methoxyaniline	90-04-0	mg/kg	5	30	N.D.
22	4-aminoazobenzene**	60-09-3	mg/kg	5	30	N.D.

No.	Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)
						89+90+91



**RESULTS:**

No.	Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)
						89+90+91
1	Biphenyl-4-ylamine/ 4-aminobiphenyl/xenylamine	92-67-1	mg/kg	5	30	N.D.
2	Benzidine	92-87-5	mg/kg	5	30	N.D.
3	4-chloro-o-toluidine	95-69-2	mg/kg	5	30	N.D.
4	2-naphthylamine	91-59-8	mg/kg	5	30	N.D.
5	o-aminoazotoluene/4-o-tolyazao-o-toluidine /4- amino-2',3-dimethylazobenzene*	97-56-3	mg/kg	5	30	N.D.
6	5-nitro-o-toluidine/2-amino-4-nitrotoluol*	99-55-8	mg/kg	5	30	N.D.
7	4-chloroaniline	106-47-8	mg/kg	5	30	N.D.
8	4-methoxy-m-phenylenediamine/ 2,4-diaminoanisole	615-05-4	mg/kg	5	30	N.D.
9	4,4'-methylenedianiline/ 4,4'-diaminodiphenylmethane	101-77-9	mg/kg	5	30	N.D.
10	3,3'-dichlorobenzidine/ 3,3'-dichlorobiphenyl-4,4'-ylenediamine	91-94-1	mg/kg	5	30	N.D.
11	3,3'-dimethoxybenzidine/o-dianisidine	119-90-4	mg/kg	5	30	N.D.
12	3,3'-dimethylbenzidine/4,4'-bi-o-toluidine	119-93-7	mg/kg	5	30	N.D.
13	4,4'-methylenedi-o-toluidine	838-88-0	mg/kg	5	30	N.D.
14	6-methoxy-m-toluidine/p-cresidine	120-71-8	mg/kg	5	30	N.D.
15	4,4'-methylene-bis-(2-chloro-aniline)/ 2,2'-dichloro-4,4'-methylene-dianiline	101-14-4	mg/kg	5	30	N.D.
16	4,4'-oxydianiline	101-80-4	mg/kg	5	30	N.D.
17	4,4'-thiodianiline	139-65-1	mg/kg	5	30	N.D.
18	o-toluidine/2-aminotoluene	95-53-4	mg/kg	5	30	N.D.
19	2,4-diaminotoluene/2,4-toluylendiamine/ 4-methyl-m-phenylenediamine	95-80-7	mg/kg	5	30	N.D.
20	2,4,5-trimethylaniline	137-17-7	mg/kg	5	30	N.D.
21	o-anisidine/2-methoxyaniline	90-04-0	mg/kg	5	30	N.D.
22	4-aminoazobenzene**	60-09-3	mg/kg	5	30	N.D.

No.	Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)
						95+104+120



**RESULTS:**

No.	Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)
						95+104+120
1	Biphenyl-4-ylamine/ 4-aminobiphenyl/xenylamine	92-67-1	mg/kg	5	30	N.D.
2	Benzidine	92-87-5	mg/kg	5	30	N.D.
3	4-chloro-o-toluidine	95-69-2	mg/kg	5	30	N.D.
4	2-naphthylamine	91-59-8	mg/kg	5	30	N.D.
5	o-aminoazotoluene/4-o-tolyazao-o-toluidine /4- amino-2',3-dimethylazobenzene*	97-56-3	mg/kg	5	30	N.D.
6	5-nitro-o-toluidine/2-amino-4-nitrotoluol*	99-55-8	mg/kg	5	30	N.D.
7	4-chloroaniline	106-47-8	mg/kg	5	30	N.D.
8	4-methoxy-m-phenylenediamine/ 2,4-diaminoanisole	615-05-4	mg/kg	5	30	N.D.
9	4,4'-methylenedianiline/ 4,4'-diaminodiphenylmethane	101-77-9	mg/kg	5	30	N.D.
10	3,3'-dichlorobenzidine/ 3,3'-dichlorobiphenyl-4,4'-ylenediamine	91-94-1	mg/kg	5	30	N.D.
11	3,3'-dimethoxybenzidine/o-dianisidine	119-90-4	mg/kg	5	30	N.D.
12	3,3'-dimethylbenzidine/4,4'-bi-o-toluidine	119-93-7	mg/kg	5	30	N.D.
13	4,4'-methylenedi-o-toluidine	838-88-0	mg/kg	5	30	N.D.
14	6-methoxy-m-toluidine/p-cresidine	120-71-8	mg/kg	5	30	N.D.
15	4,4'-methylene-bis-(2-chloro-aniline)/ 2,2'-dichloro-4,4'-methylene-dianiline	101-14-4	mg/kg	5	30	N.D.
16	4,4'-oxydianiline	101-80-4	mg/kg	5	30	N.D.
17	4,4'-thiodianiline	139-65-1	mg/kg	5	30	N.D.
18	o-toluidine/2-aminotoluene	95-53-4	mg/kg	5	30	N.D.
19	2,4-diaminotoluene/2,4-toluylendiamine/ 4-methyl-m-phenylenediamine	95-80-7	mg/kg	5	30	N.D.
20	2,4,5-trimethylaniline	137-17-7	mg/kg	5	30	N.D.
21	o-anisidine/2-methoxyaniline	90-04-0	mg/kg	5	30	N.D.
22	4-aminoazobenzene**	60-09-3	mg/kg	5	30	N.D.

No.	Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)
						96+98



**RESULTS:**

No.	Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)
						96+98
1	Biphenyl-4-ylamine/ 4-aminobiphenyl/xenylamine	92-67-1	mg/kg	5	30	N.D.
2	Benzidine	92-87-5	mg/kg	5	30	N.D.
3	4-chloro-o-toluidine	95-69-2	mg/kg	5	30	N.D.
4	2-naphthylamine	91-59-8	mg/kg	5	30	N.D.
5	o-aminoazotoluene/4-o-tolyazao-o-toluidine /4- amino-2',3-dimethylazobenzene*	97-56-3	mg/kg	5	30	N.D.
6	5-nitro-o-toluidine/2-amino-4-nitrotoluol*	99-55-8	mg/kg	5	30	N.D.
7	4-chloroaniline	106-47-8	mg/kg	5	30	N.D.
8	4-methoxy-m-phenylenediamine/ 2,4-diaminoanisole	615-05-4	mg/kg	5	30	N.D.
9	4,4'-methylenedianiline/ 4,4'-diaminodiphenylmethane	101-77-9	mg/kg	5	30	N.D.
10	3,3'-dichlorobenzidine/ 3,3'-dichlorobiphenyl-4,4'-ylenediamine	91-94-1	mg/kg	5	30	N.D.
11	3,3'-dimethoxybenzidine/o-dianisidine	119-90-4	mg/kg	5	30	N.D.
12	3,3'-dimethylbenzidine/4,4'-bi-o-toluidine	119-93-7	mg/kg	5	30	N.D.
13	4,4'-methylenedi-o-toluidine	838-88-0	mg/kg	5	30	N.D.
14	6-methoxy-m-toluidine/p-cresidine	120-71-8	mg/kg	5	30	N.D.
15	4,4'-methylene-bis-(2-chloro-aniline)/ 2,2'-dichloro-4,4'-methylene-dianiline	101-14-4	mg/kg	5	30	N.D.
16	4,4'-oxydianiline	101-80-4	mg/kg	5	30	N.D.
17	4,4'-thiodianiline	139-65-1	mg/kg	5	30	N.D.
18	o-toluidine/2-aminotoluene	95-53-4	mg/kg	5	30	N.D.
19	2,4-diaminotoluene/2,4-toluylendiamine/ 4-methyl-m-phenylenediamine	95-80-7	mg/kg	5	30	N.D.
20	2,4,5-trimethylaniline	137-17-7	mg/kg	5	30	N.D.
21	o-anisidine/2-methoxyaniline	90-04-0	mg/kg	5	30	N.D.
22	4-aminoazobenzene**	60-09-3	mg/kg	5	30	N.D.

No.	Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)
						97+99



**RESULTS:**

No.	Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)
						97+99
1	Biphenyl-4-ylamine/ 4-aminobiphenyl/xenylamine	92-67-1	mg/kg	5	30	N.D.
2	Benzidine	92-87-5	mg/kg	5	30	N.D.
3	4-chloro-o-toluidine	95-69-2	mg/kg	5	30	N.D.
4	2-naphthylamine	91-59-8	mg/kg	5	30	N.D.
5	o-aminoazotoluene/4-o-tolyazao-o-toluidine /4- amino-2',3-dimethylazobenzene*	97-56-3	mg/kg	5	30	N.D.
6	5-nitro-o-toluidine/2-amino-4-nitrotoluol*	99-55-8	mg/kg	5	30	N.D.
7	4-chloroaniline	106-47-8	mg/kg	5	30	N.D.
8	4-methoxy-m-phenylenediamine/ 2,4-diaminoanisole	615-05-4	mg/kg	5	30	N.D.
9	4,4'-methylenedianiline/ 4,4'-diaminodiphenylmethane	101-77-9	mg/kg	5	30	N.D.
10	3,3'-dichlorobenzidine/ 3,3'-dichlorobiphenyl-4,4'-ylenediamine	91-94-1	mg/kg	5	30	N.D.
11	3,3'-dimethoxybenzidine/o-dianisidine	119-90-4	mg/kg	5	30	N.D.
12	3,3'-dimethylbenzidine/4,4'-bi-o-toluidine	119-93-7	mg/kg	5	30	N.D.
13	4,4'-methylenedi-o-toluidine	838-88-0	mg/kg	5	30	N.D.
14	6-methoxy-m-toluidine/p-cresidine	120-71-8	mg/kg	5	30	N.D.
15	4,4'-methylene-bis-(2-chloro-aniline)/ 2,2'-dichloro-4,4'-methylene-dianiline	101-14-4	mg/kg	5	30	N.D.
16	4,4'-oxydianiline	101-80-4	mg/kg	5	30	N.D.
17	4,4'-thiodianiline	139-65-1	mg/kg	5	30	N.D.
18	o-toluidine/2-aminotoluene	95-53-4	mg/kg	5	30	N.D.
19	2,4-diaminotoluene/2,4-toluylendiamine/ 4-methyl-m-phenylenediamine	95-80-7	mg/kg	5	30	N.D.
20	2,4,5-trimethylaniline	137-17-7	mg/kg	5	30	N.D.
21	o-anisidine/2-methoxyaniline	90-04-0	mg/kg	5	30	N.D.
22	4-aminoazobenzene**	60-09-3	mg/kg	5	30	N.D.

No.	Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)
						100+101+102





**RESULTS:**

No.	Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)
						100+101+102
1	Biphenyl-4-ylamine/ 4-aminobiphenyl/xenylamine	92-67-1	mg/kg	5	30	N.D.
2	Benzidine	92-87-5	mg/kg	5	30	N.D.
3	4-chloro-o-toluidine	95-69-2	mg/kg	5	30	N.D.
4	2-naphthylamine	91-59-8	mg/kg	5	30	N.D.
5	o-aminoazotoluene/4-o-tolyazao-o-toluidine /4- amino-2',3-dimethylazobenzene*	97-56-3	mg/kg	5	30	N.D.
6	5-nitro-o-toluidine/2-amino-4-nitrotoluol*	99-55-8	mg/kg	5	30	N.D.
7	4-chloroaniline	106-47-8	mg/kg	5	30	N.D.
8	4-methoxy-m-phenylenediamine/ 2,4-diaminoanisole	615-05-4	mg/kg	5	30	N.D.
9	4,4'-methylenedianiline/ 4,4'-diaminodiphenylmethane	101-77-9	mg/kg	5	30	N.D.
10	3,3'-dichlorobenzidine/ 3,3'-dichlorobiphenyl-4,4'-ylenediamine	91-94-1	mg/kg	5	30	N.D.
11	3,3'-dimethoxybenzidine/o-dianisidine	119-90-4	mg/kg	5	30	N.D.
12	3,3'-dimethylbenzidine/4,4'-bi-o-toluidine	119-93-7	mg/kg	5	30	N.D.
13	4,4'-methylenedi-o-toluidine	838-88-0	mg/kg	5	30	N.D.
14	6-methoxy-m-toluidine/p-cresidine	120-71-8	mg/kg	5	30	N.D.
15	4,4'-methylene-bis-(2-chloro-aniline)/ 2,2'-dichloro-4,4'-methylene-dianiline	101-14-4	mg/kg	5	30	N.D.
16	4,4'-oxydianiline	101-80-4	mg/kg	5	30	N.D.
17	4,4'-thiodianiline	139-65-1	mg/kg	5	30	N.D.
18	o-toluidine/2-aminotoluene	95-53-4	mg/kg	5	30	N.D.
19	2,4-diaminotoluene/2,4-toluylendiamine/ 4-methyl-m-phenylenediamine	95-80-7	mg/kg	5	30	N.D.
20	2,4,5-trimethylaniline	137-17-7	mg/kg	5	30	N.D.
21	o-anisidine/2-methoxyaniline	90-04-0	mg/kg	5	30	N.D.
22	4-aminoazobenzene**	60-09-3	mg/kg	5	30	N.D.

No.	Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)
						103



**RESULTS:**

No.	Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)
						103
1	Biphenyl-4-ylamine/ 4-aminobiphenyl/xenylamine	92-67-1	mg/kg	5	30	N.D.
2	Benzidine	92-87-5	mg/kg	5	30	N.D.
3	4-chloro-o-toluidine	95-69-2	mg/kg	5	30	N.D.
4	2-naphthylamine	91-59-8	mg/kg	5	30	N.D.
5	o-aminoazotoluene/4-o-tolyazao-o-toluidine /4- amino-2',3-dimethylazobenzene*	97-56-3	mg/kg	5	30	N.D.
6	5-nitro-o-toluidine/2-amino-4-nitrotoluol*	99-55-8	mg/kg	5	30	N.D.
7	4-chloroaniline	106-47-8	mg/kg	5	30	N.D.
8	4-methoxy-m-phenylenediamine/ 2,4-diaminoanisole	615-05-4	mg/kg	5	30	N.D.
9	4,4'-methylenedianiline/ 4,4'-diaminodiphenylmethane	101-77-9	mg/kg	5	30	N.D.
10	3,3'-dichlorobenzidine/ 3,3'-dichlorobiphenyl-4,4'-ylenediamine	91-94-1	mg/kg	5	30	N.D.
11	3,3'-dimethoxybenzidine/o-dianisidine	119-90-4	mg/kg	5	30	N.D.
12	3,3'-dimethylbenzidine/4,4'-bi-o-toluidine	119-93-7	mg/kg	5	30	N.D.
13	4,4'-methylenedi-o-toluidine	838-88-0	mg/kg	5	30	N.D.
14	6-methoxy-m-toluidine/p-cresidine	120-71-8	mg/kg	5	30	N.D.
15	4,4'-methylene-bis-(2-chloro-aniline)/ 2,2'-dichloro-4,4'-methylene-dianiline	101-14-4	mg/kg	5	30	N.D.
16	4,4'-oxydianiline	101-80-4	mg/kg	5	30	N.D.
17	4,4'-thiodianiline	139-65-1	mg/kg	5	30	N.D.
18	o-toluidine/2-aminotoluene	95-53-4	mg/kg	5	30	N.D.
19	2,4-diaminotoluene/2,4-toluylendiamine/ 4-methyl-m-phenylenediamine	95-80-7	mg/kg	5	30	N.D.
20	2,4,5-trimethylaniline	137-17-7	mg/kg	5	30	N.D.
21	o-anisidine/2-methoxyaniline	90-04-0	mg/kg	5	30	N.D.
22	4-aminoazobenzene**	60-09-3	mg/kg	5	30	N.D.

No.	Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)
						105+106+107



**RESULTS:**

No.	Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)
						105+106+107
1	Biphenyl-4-ylamine/ 4-aminobiphenyl/xenylamine	92-67-1	mg/kg	5	30	N.D.
2	Benzidine	92-87-5	mg/kg	5	30	N.D.
3	4-chloro-o-toluidine	95-69-2	mg/kg	5	30	N.D.
4	2-naphthylamine	91-59-8	mg/kg	5	30	N.D.
5	o-aminoazotoluene/4-o-tolyazao-o-toluidine /4- amino-2',3-dimethylazobenzene*	97-56-3	mg/kg	5	30	N.D.
6	5-nitro-o-toluidine/2-amino-4-nitrotoluol*	99-55-8	mg/kg	5	30	N.D.
7	4-chloroaniline	106-47-8	mg/kg	5	30	N.D.
8	4-methoxy-m-phenylenediamine/ 2,4-diaminoanisole	615-05-4	mg/kg	5	30	N.D.
9	4,4'-methylenedianiline/ 4,4'-diaminodiphenylmethane	101-77-9	mg/kg	5	30	N.D.
10	3,3'-dichlorobenzidine/ 3,3'-dichlorobiphenyl-4,4'-ylenediamine	91-94-1	mg/kg	5	30	N.D.
11	3,3'-dimethoxybenzidine/o-dianisidine	119-90-4	mg/kg	5	30	N.D.
12	3,3'-dimethylbenzidine/4,4'-bi-o-toluidine	119-93-7	mg/kg	5	30	N.D.
13	4,4'-methylenedi-o-toluidine	838-88-0	mg/kg	5	30	N.D.
14	6-methoxy-m-toluidine/p-cresidine	120-71-8	mg/kg	5	30	N.D.
15	4,4'-methylene-bis-(2-chloro-aniline)/ 2,2'-dichloro-4,4'-methylene-dianiline	101-14-4	mg/kg	5	30	N.D.
16	4,4'-oxydianiline	101-80-4	mg/kg	5	30	N.D.
17	4,4'-thiodianiline	139-65-1	mg/kg	5	30	N.D.
18	o-toluidine/2-aminotoluene	95-53-4	mg/kg	5	30	N.D.
19	2,4-diaminotoluene/2,4-toluylendiamine/ 4-methyl-m-phenylenediamine	95-80-7	mg/kg	5	30	N.D.
20	2,4,5-trimethylaniline	137-17-7	mg/kg	5	30	N.D.
21	o-anisidine/2-methoxyaniline	90-04-0	mg/kg	5	30	N.D.
22	4-aminoazobenzene**	60-09-3	mg/kg	5	30	N.D.

No.	Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)
						108+109+110



**RESULTS:**

No.	Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)
						108+109+110
1	Biphenyl-4-ylamine/ 4-aminobiphenyl/xenylamine	92-67-1	mg/kg	5	30	N.D.
2	Benzidine	92-87-5	mg/kg	5	30	N.D.
3	4-chloro-o-toluidine	95-69-2	mg/kg	5	30	N.D.
4	2-naphthylamine	91-59-8	mg/kg	5	30	N.D.
5	o-aminoazotoluene/4-o-tolyazao-o-toluidine /4- amino-2',3-dimethylazobenzene*	97-56-3	mg/kg	5	30	N.D.
6	5-nitro-o-toluidine/2-amino-4-nitrotoluol*	99-55-8	mg/kg	5	30	N.D.
7	4-chloroaniline	106-47-8	mg/kg	5	30	N.D.
8	4-methoxy-m-phenylenediamine/ 2,4-diaminoanisole	615-05-4	mg/kg	5	30	N.D.
9	4,4'-methylenedianiline/ 4,4'-diaminodiphenylmethane	101-77-9	mg/kg	5	30	N.D.
10	3,3'-dichlorobenzidine/ 3,3'-dichlorobiphenyl-4,4'-ylenediamine	91-94-1	mg/kg	5	30	N.D.
11	3,3'-dimethoxybenzidine/o-dianisidine	119-90-4	mg/kg	5	30	N.D.
12	3,3'-dimethylbenzidine/4,4'-bi-o-toluidine	119-93-7	mg/kg	5	30	N.D.
13	4,4'-methylenedi-o-toluidine	838-88-0	mg/kg	5	30	N.D.
14	6-methoxy-m-toluidine/p-cresidine	120-71-8	mg/kg	5	30	N.D.
15	4,4'-methylene-bis-(2-chloro-aniline)/ 2,2'-dichloro-4,4'-methylene-dianiline	101-14-4	mg/kg	5	30	N.D.
16	4,4'-oxydianiline	101-80-4	mg/kg	5	30	N.D.
17	4,4'-thiodianiline	139-65-1	mg/kg	5	30	N.D.
18	o-toluidine/2-aminotoluene	95-53-4	mg/kg	5	30	N.D.
19	2,4-diaminotoluene/2,4-toluylendiamine/ 4-methyl-m-phenylenediamine	95-80-7	mg/kg	5	30	N.D.
20	2,4,5-trimethylaniline	137-17-7	mg/kg	5	30	N.D.
21	o-anisidine/2-methoxyaniline	90-04-0	mg/kg	5	30	N.D.
22	4-aminoazobenzene**	60-09-3	mg/kg	5	30	N.D.

No.	Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)
						111+117+118



**RESULTS:**

No.	Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)
						111+117+118
1	Biphenyl-4-ylamine/ 4-aminobiphenyl/xenylamine	92-67-1	mg/kg	5	30	N.D.
2	Benzidine	92-87-5	mg/kg	5	30	N.D.
3	4-chloro-o-toluidine	95-69-2	mg/kg	5	30	N.D.
4	2-naphthylamine	91-59-8	mg/kg	5	30	N.D.
5	o-aminoazotoluene/4-o-tolyazao-o-toluidine /4- amino-2',3-dimethylazobenzene*	97-56-3	mg/kg	5	30	N.D.
6	5-nitro-o-toluidine/2-amino-4-nitrotoluol*	99-55-8	mg/kg	5	30	N.D.
7	4-chloroaniline	106-47-8	mg/kg	5	30	N.D.
8	4-methoxy-m-phenylenediamine/ 2,4-diaminoanisole	615-05-4	mg/kg	5	30	N.D.
9	4,4'-methylenedianiline/ 4,4'-diaminodiphenylmethane	101-77-9	mg/kg	5	30	N.D.
10	3,3'-dichlorobenzidine/ 3,3'-dichlorobiphenyl-4,4'-ylenediamine	91-94-1	mg/kg	5	30	N.D.
11	3,3'-dimethoxybenzidine/o-dianisidine	119-90-4	mg/kg	5	30	N.D.
12	3,3'-dimethylbenzidine/4,4'-bi-o-toluidine	119-93-7	mg/kg	5	30	N.D.
13	4,4'-methylenedi-o-toluidine	838-88-0	mg/kg	5	30	N.D.
14	6-methoxy-m-toluidine/p-cresidine	120-71-8	mg/kg	5	30	N.D.
15	4,4'-methylene-bis-(2-chloro-aniline)/ 2,2'-dichloro-4,4'-methylene-dianiline	101-14-4	mg/kg	5	30	N.D.
16	4,4'-oxydianiline	101-80-4	mg/kg	5	30	N.D.
17	4,4'-thiodianiline	139-65-1	mg/kg	5	30	N.D.
18	o-toluidine/2-aminotoluene	95-53-4	mg/kg	5	30	N.D.
19	2,4-diaminotoluene/2,4-toluylendiamine/ 4-methyl-m-phenylenediamine	95-80-7	mg/kg	5	30	N.D.
20	2,4,5-trimethylaniline	137-17-7	mg/kg	5	30	N.D.
21	o-anisidine/2-methoxyaniline	90-04-0	mg/kg	5	30	N.D.
22	4-aminoazobenzene**	60-09-3	mg/kg	5	30	N.D.

No.	Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)
						112



**RESULTS:**

No.	Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)
						112
1	Biphenyl-4-ylamine/ 4-aminobiphenyl/xenylamine	92-67-1	mg/kg	5	30	N.D.
2	Benzidine	92-87-5	mg/kg	5	30	N.D.
3	4-chloro-o-toluidine	95-69-2	mg/kg	5	30	N.D.
4	2-naphthylamine	91-59-8	mg/kg	5	30	N.D.
5	o-aminoazotoluene/4-o-tolyazao-o-toluidine /4- amino-2',3-dimethylazobenzene*	97-56-3	mg/kg	5	30	N.D.
6	5-nitro-o-toluidine/2-amino-4-nitrotoluol*	99-55-8	mg/kg	5	30	N.D.
7	4-chloroaniline	106-47-8	mg/kg	5	30	N.D.
8	4-methoxy-m-phenylenediamine/ 2,4-diaminoanisole	615-05-4	mg/kg	5	30	N.D.
9	4,4'-methylenedianiline/ 4,4'-diaminodiphenylmethane	101-77-9	mg/kg	5	30	N.D.
10	3,3'-dichlorobenzidine/ 3,3'-dichlorobiphenyl-4,4'-ylenediamine	91-94-1	mg/kg	5	30	N.D.
11	3,3'-dimethoxybenzidine/o-dianisidine	119-90-4	mg/kg	5	30	N.D.
12	3,3'-dimethylbenzidine/4,4'-bi-o-toluidine	119-93-7	mg/kg	5	30	N.D.
13	4,4'-methylenedi-o-toluidine	838-88-0	mg/kg	5	30	N.D.
14	6-methoxy-m-toluidine/p-cresidine	120-71-8	mg/kg	5	30	N.D.
15	4,4'-methylene-bis-(2-chloro-aniline)/ 2,2'-dichloro-4,4'-methylene-dianiline	101-14-4	mg/kg	5	30	N.D.
16	4,4'-oxydianiline	101-80-4	mg/kg	5	30	N.D.
17	4,4'-thiodianiline	139-65-1	mg/kg	5	30	N.D.
18	o-toluidine/2-aminotoluene	95-53-4	mg/kg	5	30	N.D.
19	2,4-diaminotoluene/2,4-toluylendiamine/ 4-methyl-m-phenylenediamine	95-80-7	mg/kg	5	30	N.D.
20	2,4,5-trimethylaniline	137-17-7	mg/kg	5	30	N.D.
21	o-anisidine/2-methoxyaniline	90-04-0	mg/kg	5	30	N.D.
22	4-aminoazobenzene**	60-09-3	mg/kg	5	30	N.D.

No.	Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)
						113



**RESULTS:**

No.	Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)
						113
1	Biphenyl-4-ylamine/ 4-aminobiphenyl/xenylamine	92-67-1	mg/kg	5	30	N.D.
2	Benzidine	92-87-5	mg/kg	5	30	N.D.
3	4-chloro-o-toluidine	95-69-2	mg/kg	5	30	N.D.
4	2-naphthylamine	91-59-8	mg/kg	5	30	N.D.
5	o-aminoazotoluene/4-o-tolyazao-o-toluidine /4- amino-2',3-dimethylazobenzene*	97-56-3	mg/kg	5	30	N.D.
6	5-nitro-o-toluidine/2-amino-4-nitrotoluol*	99-55-8	mg/kg	5	30	N.D.
7	4-chloroaniline	106-47-8	mg/kg	5	30	N.D.
8	4-methoxy-m-phenylenediamine/ 2,4-diaminoanisole	615-05-4	mg/kg	5	30	N.D.
9	4,4'-methylenedianiline/ 4,4'-diaminodiphenylmethane	101-77-9	mg/kg	5	30	N.D.
10	3,3'-dichlorobenzidine/ 3,3'-dichlorobiphenyl-4,4'-ylenediamine	91-94-1	mg/kg	5	30	N.D.
11	3,3'-dimethoxybenzidine/o-dianisidine	119-90-4	mg/kg	5	30	N.D.
12	3,3'-dimethylbenzidine/4,4'-bi-o-toluidine	119-93-7	mg/kg	5	30	N.D.
13	4,4'-methylenedi-o-toluidine	838-88-0	mg/kg	5	30	N.D.
14	6-methoxy-m-toluidine/p-cresidine	120-71-8	mg/kg	5	30	N.D.
15	4,4'-methylene-bis-(2-chloro-aniline)/ 2,2'-dichloro-4,4'-methylene-dianiline	101-14-4	mg/kg	5	30	N.D.
16	4,4'-oxydianiline	101-80-4	mg/kg	5	30	N.D.
17	4,4'-thiodianiline	139-65-1	mg/kg	5	30	N.D.
18	o-toluidine/2-aminotoluene	95-53-4	mg/kg	5	30	N.D.
19	2,4-diaminotoluene/2,4-toluylendiamine/ 4-methyl-m-phenylenediamine	95-80-7	mg/kg	5	30	N.D.
20	2,4,5-trimethylaniline	137-17-7	mg/kg	5	30	N.D.
21	o-anisidine/2-methoxyaniline	90-04-0	mg/kg	5	30	N.D.
22	4-aminoazobenzene**	60-09-3	mg/kg	5	30	N.D.

No.	Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)
						114+115+116



**RESULTS:**

No.	Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)
						114+115+116
1	Biphenyl-4-ylamine/ 4-aminobiphenyl/xenylamine	92-67-1	mg/kg	5	30	N.D.
2	Benzidine	92-87-5	mg/kg	5	30	N.D.
3	4-chloro-o-toluidine	95-69-2	mg/kg	5	30	N.D.
4	2-naphthylamine	91-59-8	mg/kg	5	30	N.D.
5	o-aminoazotoluene/4-o-tolyazao-o-toluidine /4- amino-2',3-dimethylazobenzene*	97-56-3	mg/kg	5	30	N.D.
6	5-nitro-o-toluidine/2-amino-4-nitrotoluol*	99-55-8	mg/kg	5	30	N.D.
7	4-chloroaniline	106-47-8	mg/kg	5	30	N.D.
8	4-methoxy-m-phenylenediamine/ 2,4-diaminoanisole	615-05-4	mg/kg	5	30	N.D.
9	4,4'-methylenedianiline/ 4,4'-diaminodiphenylmethane	101-77-9	mg/kg	5	30	N.D.
10	3,3'-dichlorobenzidine/ 3,3'-dichlorobiphenyl-4,4'-ylenediamine	91-94-1	mg/kg	5	30	N.D.
11	3,3'-dimethoxybenzidine/o-dianisidine	119-90-4	mg/kg	5	30	N.D.
12	3,3'-dimethylbenzidine/4,4'-bi-o-toluidine	119-93-7	mg/kg	5	30	N.D.
13	4,4'-methylenedi-o-toluidine	838-88-0	mg/kg	5	30	N.D.
14	6-methoxy-m-toluidine/p-cresidine	120-71-8	mg/kg	5	30	N.D.
15	4,4'-methylene-bis-(2-chloro-aniline)/ 2,2'-dichloro-4,4'-methylene-dianiline	101-14-4	mg/kg	5	30	N.D.
16	4,4'-oxydianiline	101-80-4	mg/kg	5	30	N.D.
17	4,4'-thiodianiline	139-65-1	mg/kg	5	30	N.D.
18	o-toluidine/2-aminotoluene	95-53-4	mg/kg	5	30	N.D.
19	2,4-diaminotoluene/2,4-toluylendiamine/ 4-methyl-m-phenylenediamine	95-80-7	mg/kg	5	30	N.D.
20	2,4,5-trimethylaniline	137-17-7	mg/kg	5	30	N.D.
21	o-anisidine/2-methoxyaniline	90-04-0	mg/kg	5	30	N.D.
22	4-aminoazobenzene**	60-09-3	mg/kg	5	30	N.D.

No.	Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)
						119





**RESULTS:**

No.	Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)
						119
1	Biphenyl-4-ylamine/ 4-aminobiphenyl/xenylamine	92-67-1	mg/kg	5	30	N.D.
2	Benzidine	92-87-5	mg/kg	5	30	N.D.
3	4-chloro-o-toluidine	95-69-2	mg/kg	5	30	N.D.
4	2-naphthylamine	91-59-8	mg/kg	5	30	N.D.
5	o-aminoazotoluene/4-o-tolyazao-o-toluidine /4- amino-2',3-dimethylazobenzene*	97-56-3	mg/kg	5	30	N.D.
6	5-nitro-o-toluidine/2-amino-4-nitrotoluol*	99-55-8	mg/kg	5	30	N.D.
7	4-chloroaniline	106-47-8	mg/kg	5	30	N.D.
8	4-methoxy-m-phenylenediamine/ 2,4-diaminoanisole	615-05-4	mg/kg	5	30	N.D.
9	4,4'-methylenedianiline/ 4,4'-diaminodiphenylmethane	101-77-9	mg/kg	5	30	N.D.
10	3,3'-dichlorobenzidine/ 3,3'-dichlorobiphenyl-4,4'-ylenediamine	91-94-1	mg/kg	5	30	N.D.
11	3,3'-dimethoxybenzidine/o-dianisidine	119-90-4	mg/kg	5	30	N.D.
12	3,3'-dimethylbenzidine/4,4'-bi-o-toluidine	119-93-7	mg/kg	5	30	N.D.
13	4,4'-methylenedi-o-toluidine	838-88-0	mg/kg	5	30	N.D.
14	6-methoxy-m-toluidine/p-cresidine	120-71-8	mg/kg	5	30	N.D.
15	4,4'-methylene-bis-(2-chloro-aniline)/ 2,2'-dichloro-4,4'-methylene-dianiline	101-14-4	mg/kg	5	30	N.D.
16	4,4'-oxydianiline	101-80-4	mg/kg	5	30	N.D.
17	4,4'-thiodianiline	139-65-1	mg/kg	5	30	N.D.
18	o-toluidine/2-aminotoluene	95-53-4	mg/kg	5	30	N.D.
19	2,4-diaminotoluene/2,4-toluylendiamine/ 4-methyl-m-phenylenediamine	95-80-7	mg/kg	5	30	N.D.
20	2,4,5-trimethylaniline	137-17-7	mg/kg	5	30	N.D.
21	o-anisidine/2-methoxyaniline	90-04-0	mg/kg	5	30	N.D.
22	4-aminoazobenzene**	60-09-3	mg/kg	5	30	N.D.

**Remark:**

- \*The amines o-aminoazotoluene (No 5, CAS No.97-56-3) and 2-amino-4-nitrotoluene (No 6, CAS No.99-55-8) are further reduced to o-toluidine (No 18, CAS No. 95-53-4) and 2, 4-diaminotoluene (No 19, CAS No. 95-80-7).
- \*\*Azo colorants that are able to form 4-aminoazobenzene (No 22, CAS No. 60-09-3) generate, under the condition of this method, aniline (CAS No. 62-53-3) and 1, 4-phenylenediamine (CAS No. 106-50-3).Due to detection limits,



**RESULTS:**

only aniline may be detected. If aniline is detected above 5mg/kg, then the presence of these colorants should be tested by ISO 14362-3:2017

**(20)Lead, Cadmium, Mercury, Hexavalent Chromium content -94/62/EC and its amendment**

Test Item(s)	Test Method	Test Instrument
Lead (Pb) and Cadmium (Cd)	IEC 62321-5:2013	ICP - OES
Mercury (Hg)	IEC 62321-4:2013+A1: 2017	ICP - OES
Chromium (VI)(Cr <sup>6+</sup> )	IEC 62321-7-2:2017	UV-VIS Spectrophotometer

Test item(s)	Unit	MDL	Limit	Result(s)		
				127	128	129
Lead (Pb)	mg/kg	10	/	N.D.	N.D.	N.D.
Cadmium (Cd)	mg/kg	5	/	N.D.	N.D.	N.D.
Mercury (Hg)	mg/kg	10	/	N.D.	N.D.	N.D.
Hexavalent Chromium (Cr <sup>6+</sup> )	mg/kg	2	/	N.D.	N.D.	N.D.
Total(Pb +Cd+Hg+Cr <sup>6+</sup> )	mg/kg	/	100	N.D.	N.D.	N.D.

Test item(s)	Unit	MDL	Limit	Result(s)		
				130	131	132
Lead (Pb)	mg/kg	10	/	N.D.	N.D.	N.D.
Cadmium (Cd)	mg/kg	5	/	N.D.	N.D.	N.D.
Mercury (Hg)	mg/kg	10	/	N.D.	N.D.	N.D.
Hexavalent Chromium (Cr <sup>6+</sup> )	mg/kg	2	/	N.D.	N.D.	N.D.
Total(Pb +Cd+Hg+Cr <sup>6+</sup> )	mg/kg	/	100	N.D.	N.D.	N.D.



**RESULTS:**

Test item(s)	Unit	MDL	Limit	Result(s)	
				133	134
Lead (Pb)	mg/kg	10	/	N.D.	N.D.
Cadmium (Cd)	mg/kg	5	/	N.D.	N.D.
Mercury (Hg)	mg/kg	10	/	N.D.	N.D.
Hexavalent Chromium (Cr <sup>6+</sup> )	mg/kg	2	/	N.D.	N.D.
Total(Pb +Cd+Hg+Cr <sup>6+</sup> )	mg/kg	/	100	N.D.	N.D.

**(21)Lead, Cadmium, Mercury, Hexavalent Chromium content - TPCH**

Test Item(s)	Test Method	Test Instrument
Lead (Pb) and Cadmium (Cd)	IEC 62321-5:2013	ICP – OES
Mercury (Hg)	IEC 62321-4:2013+A1: 2017	ICP - OES
Chromium(VI)(Cr <sup>6+</sup> )	IEC 62321-7-2:2017	UV-VIS Spectrophotometer

Test items(s)	Unit	MDL	Limit	Result(s)		
				127	128	129
Lead (Pb)	mg/kg	10	/	N.D.	N.D.	N.D.
Cadmium (Cd)	mg/kg	5	/	N.D.	N.D.	N.D.
Mercury (Hg)	mg/kg	10	/	N.D.	N.D.	N.D.
Chromium(VI)(Cr <sup>6+</sup> )	mg/kg	2	/	N.D.	N.D.	N.D.
Total(Pb +Cd+Hg+Cr <sup>6+</sup> )	mg/kg	/	100	N.D.	N.D.	N.D.

Test items(s)	Unit	MDL	Limit	Result(s)		
				130	131	132
Lead (Pb)	mg/kg	10	/	N.D.	N.D.	N.D.
Cadmium (Cd)	mg/kg	5	/	N.D.	N.D.	N.D.
Mercury (Hg)	mg/kg	10	/	N.D.	N.D.	N.D.
Chromium(VI)(Cr <sup>6+</sup> )	mg/kg	2	/	N.D.	N.D.	N.D.
Total(Pb +Cd+Hg+Cr <sup>6+</sup> )	mg/kg	/	100	N.D.	N.D.	N.D.



**RESULTS:**

Test items(s)	Unit	MDL	Limit	Result(s)	
				133	134
Lead (Pb)	mg/kg	10	/	N.D.	N.D.
Cadmium (Cd)	mg/kg	5	/	N.D.	N.D.
Mercury (Hg)	mg/kg	10	/	N.D.	N.D.
Chromium(VI)(Cr <sup>6+</sup> )	mg/kg	2	/	N.D.	N.D.
Total(Pb +Cd+Hg+Cr <sup>6+</sup> )	mg/kg	/	100	N.D.	N.D.

**(22)Phthalates content- TPCH**

Test Method: With reference to CPSC-CH-C1001-09.4

Test Instrument: Gas Chromatography-Mass Spectrometer (GC-MS)

Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)
					127+128+129
Bis (2-ethylhexyl) phthalate (DEHP)	117-81-7	mg/kg	50	/	N.D.
Dibutyl phthalate (DBP)	84-74-2	mg/kg	50	/	N.D.
Benzyl butyl phthalate (BBP)	85-68-7	mg/kg	50	/	N.D.
Di-iso-nonyl phthalate (DINP)	28553-12-0 68515-48-0	mg/kg	100	/	N.D.
Diisobutyl phthalate (DIBP)	84-69-5	mg/kg	50	/	N.D.
Di-n-pentyl Phthalate (DPENP)	131-18-0	mg/kg	50	/	N.D.
Di-n-hexyl Phthalate (DHEXP)	84-75-3	mg/kg	50	/	N.D.
Dicyclohexyl Phthalate (DCHP)	84-61-7	mg/kg	50	/	N.D.
Diisodecyl phthalate (DIDP)	26761-40-0 68515-49-1	mg/kg	100	/	N.D.
Diethyl phthalate (DEP)	84-66-2	mg/kg	50	/	N.D.
Dimethyl phthalate (DMP)	131-11-3	mg/kg	50	/	N.D.
Di-n-octyl phthalate (DNOP)	117-84-0	mg/kg	50	/	N.D.
Sum of above phthalates	/	mg/kg	/	100	N.D.

Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)
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**RESULTS:**

					130
Bis (2-ethylhexyl) phthalate (DEHP)	117-81-7	mg/kg	50	/	N.D.
Dibutyl phthalate (DBP)	84-74-2	mg/kg	50	/	N.D.
Benzyl butyl phthalate (BBP)	85-68-7	mg/kg	50	/	N.D.
Di-iso-nonyl phthalate (DINP)	28553-12-0 68515-48-0	mg/kg	100	/	N.D.
Diisobutyl phthalate (DIBP)	84-69-5	mg/kg	50	/	N.D.
Di-n-pentyl Phthalate (DPENP)	131-18-0	mg/kg	50	/	N.D.
Di-n-hexyl Phthalate (DHEXP)	84-75-3	mg/kg	50	/	N.D.
Dicyclohexyl Phthalate (DCHP)	84-61-7	mg/kg	50	/	N.D.
Diisodecyl phthalate (DIDP)	26761-40-0 68515-49-1	mg/kg	100	/	N.D.
Diethyl phthalate (DEP)	84-66-2	mg/kg	50	/	N.D.
Dimethyl phthalate (DMP)	131-11-3	mg/kg	50	/	N.D.
Di-n-octyl phthalate (DNOP)	117-84-0	mg/kg	50	/	N.D.
Sum of above phthalates	/	mg/kg	/	100	N.D.



**RESULTS:**

Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)
					131
Bis (2-ethylhexyl) phthalate (DEHP)	117-81-7	mg/kg	50	/	N.D.
Dibutyl phthalate (DBP)	84-74-2	mg/kg	50	/	N.D.
Benzyl butyl phthalate (BBP)	85-68-7	mg/kg	50	/	N.D.
Di-iso-nonyl phthalate (DINP)	28553-12-0 68515-48-0	mg/kg	100	/	N.D.
Diisobutyl phthalate (DIBP)	84-69-5	mg/kg	50	/	N.D.
Di-n-pentyl Phthalate (DPENP)	131-18-0	mg/kg	50	/	N.D.
Di-n-hexyl Phthalate (DHEXP)	84-75-3	mg/kg	50	/	N.D.
Dicyclohexyl Phthalate (DCHP)	84-61-7	mg/kg	50	/	N.D.
Diisodecyl phthalate (DIDP)	26761-40-0 68515-49-1	mg/kg	100	/	N.D.
Diethyl phthalate (DEP)	84-66-2	mg/kg	50	/	N.D.
Dimethyl phthalate (DMP)	131-11-3	mg/kg	50	/	N.D.
Di-n-octyl phthalate (DNOP)	117-84-0	mg/kg	50	/	N.D.
Sum of above phthalates	/	mg/kg	/	100	N.D.

**(23)Perfluorooctane sulfonates(PFOS) and Perfluorooctanoic Acid (PFOA) content - TPCH**

Test Method: In-house method

Test Instrument: Liquid Chromatography-Mass Spectrometer (LC-MS)

Test item(s)	Unit	MDL	Limit	Result(s)
				-
Perfluorooctane sulfonates(PFOS)	mg/kg	0.005	Not detected	N.A.
Perfluorooctanoic Acid (PFOA)	mg/kg	0.005	Not detected	N.A.

Note: No applicable component was present on the received sample(s). Therefore, the Perfluorooctane sulfonates(PFOS) and Perfluorooctanoic Acid (PFOA) content analysis according to Toxics in Packaging Clearinghouse (TPCH), was not conducted.



**RESULTS:**

**(24)Total Cadmium content- Item 23 of Annex XVII of REACH Regulation (EC) 1907/2006**

Test Method: IEC 62321-5: 2013

Test Instrument: Atomic Absorption Spectrophotometer (AAS)

Test item(s)	Unit	MDL	Limit	Result(s)		
				1+2+3	4+5+6	7+33+34
Cadmium(Cd)	mg/kg	5	Refer to Remark	N.D.	N.D.	N.D.

Test item(s)	Unit	MDL	Limit	Result(s)		
				26+27+54	28+123+125	35+36+62
Cadmium(Cd)	mg/kg	5	Refer to Remark	N.D.	N.D.	N.D.

Test item(s)	Unit	MDL	Limit	Result(s)		
				55+85+86	63+64+65	66+67+68
Cadmium(Cd)	mg/kg	5	Refer to Remark	N.D.	N.D.	N.D.

Test item(s)	Unit	MDL	Limit	Result(s)		
				92+93+94	96+97+98	99+100
Cadmium(Cd)	mg/kg	5	Refer to Remark	N.D.	N.D.	N.D.

Test item(s)	Unit	MDL	Limit	Result(s)	
				101+102	121+122
Cadmium(Cd)	mg/kg	5	Refer to Remark	N.D.	N.D.

Remark:

Category	Limit (mg/kg)
Paints with code[3208]and [3209]	100
Paints with code[3208]and [3209] with a zinc content exceeding 10% by weight of the paint	1000
Painted article	1000
Plastic	100
Metal parts of jewelry & hair accessories	100

**(25)Short Chain Chlorinated Paraffin content - the Persistent Organic Pollutants (POPs) Regulation (EU) 2019/1021.**



**RESULTS:**

Test Method: In-house method

Test Instrument: Gas Chromatography-Mass Spectrometer (GC-MS)

Test item(s)	Unit	MDL	Limit	Result(s)	
				1+2+3	28+123+125
Short Chain Chlorinated Paraffin (SCCP)	mg/kg	50	1500	N.D.	N.D.

Test item(s)	Unit	MDL	Limit	Result(s)	
				92+93+94	96+97+98
Short Chain Chlorinated Paraffin (SCCP)	mg/kg	50	1500	N.D.	N.D.

Test item(s)	Unit	MDL	Limit	Result(s)	
				99+100	101+102
Short Chain Chlorinated Paraffin (SCCP)	mg/kg	50	1500	N.D.	N.D.

**(26) TCEP, TCPP, TDCP content - Directive (EU) 2009/48/EC & its amendment Directive 2014/79/EU**

Test Method: In-house method

Test Instrument: Gas Chromatography-Mass Spectrometer (GC-MS)

Test item(s)	Unit	MDL	Limit	Result(s)
				32+37+38
Tris(2-chloroethyl) phosphate (TCEP)	mg/kg	0.5	5	N.D.
Tris-(2-chloroisopropyl) phosphate (TCPP)	mg/kg	0.5	5	N.D.
Tris(1,3-dichloroisopropyl)phosphate(TDCP)	mg/kg	0.5	5	N.D.





**RESULTS:**

Test item(s)	Unit	MDL	Limit	Result(s)
				35+36+62
Tris(2-chloroethyl) phosphate (TCEP)	mg/kg	0.5	5	N.D.
Tris-(2-chloroisopropyl) phosphate (TCPP)	mg/kg	0.5	5	N.D.
Tris(1,3-dichloroisopropyl)phosphate(TDCP)	mg/kg	0.5	5	N.D.

Test item(s)	Unit	MDL	Limit	Result(s)
				48+49+50
Tris(2-chloroethyl) phosphate (TCEP)	mg/kg	0.5	5	N.D.
Tris-(2-chloroisopropyl) phosphate (TCPP)	mg/kg	0.5	5	N.D.
Tris(1,3-dichloroisopropyl)phosphate(TDCP)	mg/kg	0.5	5	N.D.

Test item(s)	Unit	MDL	Limit	Result(s)
				60
Tris(2-chloroethyl) phosphate (TCEP)	mg/kg	0.5	5	N.D.
Tris-(2-chloroisopropyl) phosphate (TCPP)	mg/kg	0.5	5	N.D.
Tris(1,3-dichloroisopropyl)phosphate(TDCP)	mg/kg	0.5	5	N.D.

Test item(s)	Unit	MDL	Limit	Result(s)
				78+79+80
Tris(2-chloroethyl) phosphate (TCEP)	mg/kg	0.5	5	N.D.
Tris-(2-chloroisopropyl) phosphate (TCPP)	mg/kg	0.5	5	N.D.
Tris(1,3-dichloroisopropyl)phosphate(TDCP)	mg/kg	0.5	5	N.D.

Test item(s)	Unit	MDL	Limit	Result(s)
				87
Tris(2-chloroethyl) phosphate (TCEP)	mg/kg	0.5	5	N.D.
Tris-(2-chloroisopropyl) phosphate (TCPP)	mg/kg	0.5	5	N.D.
Tris(1,3-dichloroisopropyl)phosphate(TDCP)	mg/kg	0.5	5	N.D.



**RESULTS:**

Test item(s)	Unit	MDL	Limit	Result(s)
				88
Tris(2-chloroethyl) phosphate (TCEP)	mg/kg	0.5	5	N.D.
Tris-(2-chloroisopropyl) phosphate (TCPP)	mg/kg	0.5	5	N.D.
Tris(1,3-dichloroisopropyl)phosphate(TDCP)	mg/kg	0.5	5	N.D.

Test item(s)	Unit	MDL	Limit	Result(s)
				89+90+91
Tris(2-chloroethyl) phosphate (TCEP)	mg/kg	0.5	5	N.D.
Tris-(2-chloroisopropyl) phosphate (TCPP)	mg/kg	0.5	5	N.D.
Tris(1,3-dichloroisopropyl)phosphate(TDCP)	mg/kg	0.5	5	N.D.

Test item(s)	Unit	MDL	Limit	Result(s)
				96+97+98
Tris(2-chloroethyl) phosphate (TCEP)	mg/kg	0.5	5	N.D.
Tris-(2-chloroisopropyl) phosphate (TCPP)	mg/kg	0.5	5	N.D.
Tris(1,3-dichloroisopropyl)phosphate(TDCP)	mg/kg	0.5	5	N.D.

Test item(s)	Unit	MDL	Limit	Result(s)
				99+100
Tris(2-chloroethyl) phosphate (TCEP)	mg/kg	0.5	5	N.D.
Tris-(2-chloroisopropyl) phosphate (TCPP)	mg/kg	0.5	5	N.D.
Tris(1,3-dichloroisopropyl)phosphate(TDCP)	mg/kg	0.5	5	N.D.

Test item(s)	Unit	MDL	Limit	Result(s)
				105+106+107
Tris(2-chloroethyl) phosphate (TCEP)	mg/kg	0.5	5	N.D.
Tris-(2-chloroisopropyl) phosphate (TCPP)	mg/kg	0.5	5	N.D.
Tris(1,3-dichloroisopropyl)phosphate(TDCP)	mg/kg	0.5	5	N.D.

Test item(s)	Unit	MDL	Limit	Result(s)
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**RESULTS:**

				108+109+110
Tris(2-chloroethyl) phosphate (TCEP)	mg/kg	0.5	5	N.D.
Tris-(2-chloroisopropyl) phosphate (TCPP)	mg/kg	0.5	5	N.D.
Tris(1,3-dichloroisopropyl)phosphate(TDCP)	mg/kg	0.5	5	N.D.

Test item(s)	Unit	MDL	Limit	Result(s)
				111+112+113
Tris(2-chloroethyl) phosphate (TCEP)	mg/kg	0.5	5	N.D.
Tris-(2-chloroisopropyl) phosphate (TCPP)	mg/kg	0.5	5	N.D.
Tris(1,3-dichloroisopropyl)phosphate(TDCP)	mg/kg	0.5	5	N.D.

Test item(s)	Unit	MDL	Limit	Result(s)
				114+115+116
Tris(2-chloroethyl) phosphate (TCEP)	mg/kg	0.5	5	N.D.
Tris-(2-chloroisopropyl) phosphate (TCPP)	mg/kg	0.5	5	N.D.
Tris(1,3-dichloroisopropyl)phosphate(TDCP)	mg/kg	0.5	5	N.D.

Test item(s)	Unit	MDL	Limit	Result(s)
				117+118+119
Tris(2-chloroethyl) phosphate (TCEP)	mg/kg	0.5	5	N.D.
Tris-(2-chloroisopropyl) phosphate (TCPP)	mg/kg	0.5	5	N.D.
Tris(1,3-dichloroisopropyl)phosphate(TDCP)	mg/kg	0.5	5	N.D.

**(27) Specific Migration of Phenol Content- Directive 2009/48/EC and its amendment Directive (EU) 2017/774.**

Test Method: With reference to EN71-10: 2005& EN71-11: 2005

Test Instrument: High Performance Liquid Chromatography- fluorescence detector (HPLC-FLD)

Test item(s)	Unit	MDL	Limit	Result(s)	
				54+84+85	91+92+93
Specific Migration of Phenol	mg/L	1	5	N.D.	N.D.

**(28) Total Mercury content-Canadian Environmental Protection Act :Products Containing Mercury Regulations SOR/2014-254**

Test Method: With reference to IEC 62321-4:2013+A1: 2017



**RESULTS:**

Test Instrument: Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES)

Test item(s)	Unit	MDL	Limit	Result(s)		
				1+2+3	4+5+6	7+33+34
Total Mercury (Hg)	mg/kg	10	1000	N.D.	N.D.	N.D.

Test item(s)	Unit	MDL	Limit	Result(s)		
				8+9+10	11+12+13	14+15+16
Total Mercury (Hg)	mg/kg	10	1000	N.D.	N.D.	N.D.

Test item(s)	Unit	MDL	Limit	Result(s)		
				17+18+19	20+21+22	23+24+25
Total Mercury (Hg)	mg/kg	10	1000	N.D.	N.D.	N.D.

Test item(s)	Unit	MDL	Limit	Result(s)		
				48+49+50	51+52+53	55+85+86
Total Mercury (Hg)	mg/kg	10	1000	N.D.	N.D.	N.D.

Test item(s)	Unit	MDL	Limit	Result(s)		
				56+57+58	59+60+61	63+64+65
Total Mercury (Hg)	mg/kg	10	1000	N.D.	N.D.	N.D.

Test item(s)	Unit	MDL	Limit	Result(s)		
				66+67+68	69+70+71	99+100
Total Mercury (Hg)	mg/kg	10	1000	N.D.	N.D.	N.D.



**RESULTS:**

Test item(s)	Unit	MDL	Limit	Result(s)		
				101+102	105+106+107	108+109+110
Total Mercury (Hg)	mg/kg	10	1000	N.D.	N.D.	N.D.

Test item(s)	Unit	MDL	Limit	Result(s)		
				111+112+113	114+115+116	117+118+119
Total Mercury (Hg)	mg/kg	10	1000	N.D.	N.D.	N.D.

**(29)PAHs content- Item 50 of Annex XVII of REACH Regulation (EC) 1907/2006 & amendment (EU) No 1272/2013.**

Test Method: With reference to AfPS-GS-2019-01: PAK

Test Instrument: Gas Chromatography-Mass Spectrometer (GC-MS)

No.	Test item(s)	CAS No	Unit	MDL	Result(s)	
					1+2+3	4+5+6
1	Benzo (a)anthracene (BaA)	56-55-3	mg/kg	0.2	N.D.	N.D.
2	Chrysene (CHR)	218-01-9	mg/kg	0.2	N.D.	N.D.
3	Benzo (b) fluoranthene (BbFA)	205-99-2	mg/kg	0.2	N.D.	N.D.
4	Benzo (k) fluoranthene (BkFA)	207-08-9	mg/kg	0.2	N.D.	N.D.
5	Benzo (j) fluoranthene (BjFA)	205-82-3	mg/kg	0.2	N.D.	N.D.
6	Benzo (e) pyrene (BeP)	192-97-2	mg/kg	0.2	N.D.	N.D.
7	Benzo (a) pyrene (BaP)	50-32-8	mg/kg	0.2	N.D.	N.D.
8	Dibenzo (a,h) anthracene (DBAhA)	53-70-3	mg/kg	0.2	N.D.	N.D.



**RESULTS:**

No.	Test item(s)	CAS No	Unit	MDL	Result(s)	
					7+33+34	26+27+54
1	Benzo (a)anthracene (BaA)	56-55-3	mg/kg	0.2	N.D.	N.D.
2	Chrysene (CHR)	218-01-9	mg/kg	0.2	N.D.	N.D.
3	Benzo (b) fluoranthene (BbFA)	205-99-2	mg/kg	0.2	N.D.	N.D.
4	Benzo (k) fluoranthene (BkFA)	207-08-9	mg/kg	0.2	N.D.	N.D.
5	Benzo (j) fluoranthene (BjFA)	205-82-3	mg/kg	0.2	N.D.	N.D.
6	Benzo (e) pyrene (BeP)	192-97-2	mg/kg	0.2	N.D.	N.D.
7	Benzo (a) pyrene (BaP)	50-32-8	mg/kg	0.2	N.D.	N.D.
8	Dibenzo (a,h) anthracene (DBAhA)	53-70-3	mg/kg	0.2	N.D.	N.D.

No.	Test item(s)	CAS No	Unit	MDL	Result(s)	
					28+123+125	35+36+62
1	Benzo (a)anthracene (BaA)	56-55-3	mg/kg	0.2	N.D.	N.D.
2	Chrysene (CHR)	218-01-9	mg/kg	0.2	N.D.	N.D.
3	Benzo (b) fluoranthene (BbFA)	205-99-2	mg/kg	0.2	N.D.	N.D.
4	Benzo (k) fluoranthene (BkFA)	207-08-9	mg/kg	0.2	N.D.	N.D.
5	Benzo (j) fluoranthene (BjFA)	205-82-3	mg/kg	0.2	N.D.	N.D.
6	Benzo (e) pyrene (BeP)	192-97-2	mg/kg	0.2	N.D.	N.D.
7	Benzo (a) pyrene (BaP)	50-32-8	mg/kg	0.2	N.D.	N.D.
8	Dibenzo (a,h) anthracene (DBAhA)	53-70-3	mg/kg	0.2	N.D.	N.D.



**RESULTS:**

No.	Test item(s)	CAS No	Unit	MDL	Result(s)	
					55+85+86	63+64+65
1	Benzo (a)anthracene (BaA)	56-55-3	mg/kg	0.2	N.D.	N.D.
2	Chrysene (CHR)	218-01-9	mg/kg	0.2	N.D.	N.D.
3	Benzo (b) fluoranthene (BbFA)	205-99-2	mg/kg	0.2	N.D.	N.D.
4	Benzo (k) fluoranthene (BkFA)	207-08-9	mg/kg	0.2	N.D.	N.D.
5	Benzo (j) fluoranthene (BjFA)	205-82-3	mg/kg	0.2	N.D.	N.D.
6	Benzo (e) pyrene (BeP)	192-97-2	mg/kg	0.2	N.D.	N.D.
7	Benzo (a) pyrene (BaP)	50-32-8	mg/kg	0.2	N.D.	N.D.
8	Dibenzo (a,h) anthracene (DBAhA)	53-70-3	mg/kg	0.2	N.D.	N.D.

No.	Test item(s)	CAS No	Unit	MDL	Result(s)	
					66+67+68	92+93+94
1	Benzo (a)anthracene (BaA)	56-55-3	mg/kg	0.2	N.D.	N.D.
2	Chrysene (CHR)	218-01-9	mg/kg	0.2	N.D.	N.D.
3	Benzo (b) fluoranthene (BbFA)	205-99-2	mg/kg	0.2	N.D.	N.D.
4	Benzo (k) fluoranthene (BkFA)	207-08-9	mg/kg	0.2	N.D.	N.D.
5	Benzo (j) fluoranthene (BjFA)	205-82-3	mg/kg	0.2	N.D.	N.D.
6	Benzo (e) pyrene (BeP)	192-97-2	mg/kg	0.2	N.D.	N.D.
7	Benzo (a) pyrene (BaP)	50-32-8	mg/kg	0.2	N.D.	N.D.
8	Dibenzo (a,h) anthracene (DBAhA)	53-70-3	mg/kg	0.2	N.D.	N.D.



**RESULTS:**

No.	Test item(s)	CAS No	Unit	MDL	Result(s)	
					96+97+98	99+100
1	Benzo (a)anthracene (BaA)	56-55-3	mg/kg	0.2	N.D.	N.D.
2	Chrysene (CHR)	218-01-9	mg/kg	0.2	N.D.	N.D.
3	Benzo (b) fluoranthene (BbFA)	205-99-2	mg/kg	0.2	N.D.	N.D.
4	Benzo (k) fluoranthene (BkFA)	207-08-9	mg/kg	0.2	N.D.	N.D.
5	Benzo (j) fluoranthene (BjFA)	205-82-3	mg/kg	0.2	N.D.	N.D.
6	Benzo (e) pyrene (BeP)	192-97-2	mg/kg	0.2	N.D.	N.D.
7	Benzo (a) pyrene (BaP)	50-32-8	mg/kg	0.2	N.D.	N.D.
8	Dibenzo (a,h) anthracene (DBAhA)	53-70-3	mg/kg	0.2	N.D.	N.D.

No.	Test item(s)	CAS No	Unit	MDL	Result(s)	
					101+102	121+122
1	Benzo (a)anthracene (BaA)	56-55-3	mg/kg	0.2	N.D.	N.D.
2	Chrysene (CHR)	218-01-9	mg/kg	0.2	N.D.	N.D.
3	Benzo (b) fluoranthene (BbFA)	205-99-2	mg/kg	0.2	N.D.	N.D.
4	Benzo (k) fluoranthene (BkFA)	207-08-9	mg/kg	0.2	N.D.	N.D.
5	Benzo (j) fluoranthene (BjFA)	205-82-3	mg/kg	0.2	N.D.	N.D.
6	Benzo (e) pyrene (BeP)	192-97-2	mg/kg	0.2	N.D.	N.D.
7	Benzo (a) pyrene (BaP)	50-32-8	mg/kg	0.2	N.D.	N.D.
8	Dibenzo (a,h) anthracene (DBAhA)	53-70-3	mg/kg	0.2	N.D.	N.D.





**RESULTS:**

**Remark:**

(1) (EU) No 1272/2013 amending Item No 50 of Annex XVII of REACH Regulation (EC) 1907/2006

Parameter (mg/kg)	Category 1	Category 2
	Articles come into direct as well as prolonged or short-term repetitive contact with the human skin or the oral cavity, under normal or reasonably foreseeable conditions of use Such articles include amongst others: - sport equipment such as bicycles, golf clubs, racquets. - household utensils, trolleys, walking frames - tools for domestic use - clothing, footwear, gloves and sportswear - watch-straps, wrist-bands, masks, head-bands	Toys, including activity toys, and childcare articles, that come into direct as well as prolonged or short-term repetitive contact with the human skin or the oral cavity, under normal or reasonably foreseeable conditions of use,
Benzo[a]pyrene	<1	<0.5
Benzo[e]pyrene	<1	<0.5
Benzo[a]anthracene	<1	<0.5
Benzo[b]fluoranthene	<1	<0.5
Benzo[j]fluoranthene	<1	<0.5
Benzo[k]fluoranthene	<1	<0.5
Chrysene	<1	<0.5
Dibenzo[a,h]anthracene	<1	<0.5

- The PAHs limit is Category 2

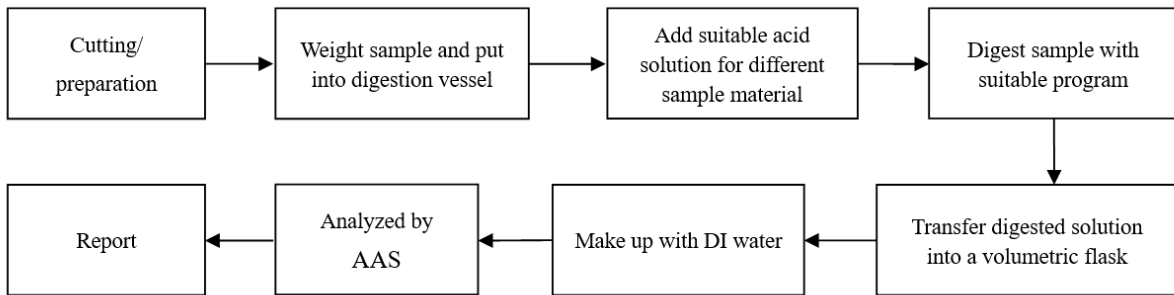
**Note:**

- mg/kg=milligram per kilogram
- mg/L = milligram per liter
- N.D. =Not Detected (<MDL)
- N.A. = Not Applicable
- MDL=Method Detection Limit
- As specified by client, the mixed testing were conducted.

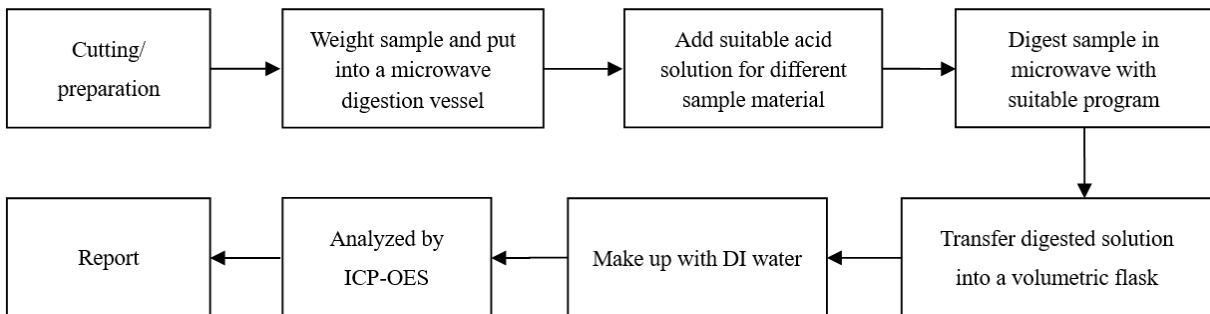
**RESULTS:**

**Appendix**

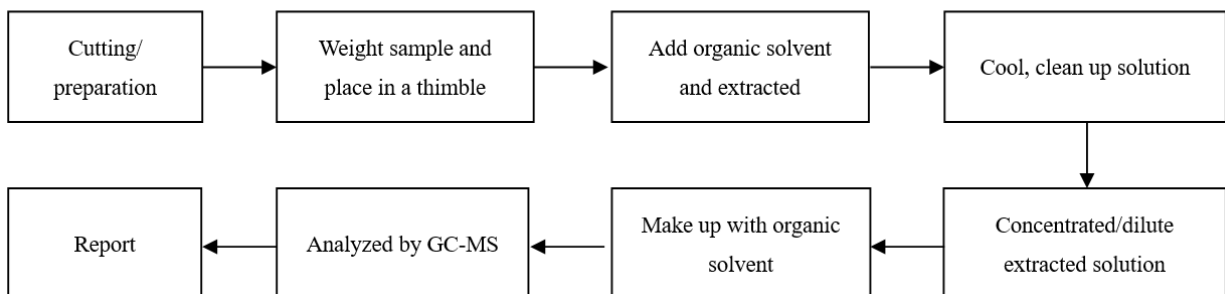
**1. Test flowchart for Pb/Cd content:**



**2. Test flowchart for Hg content:**

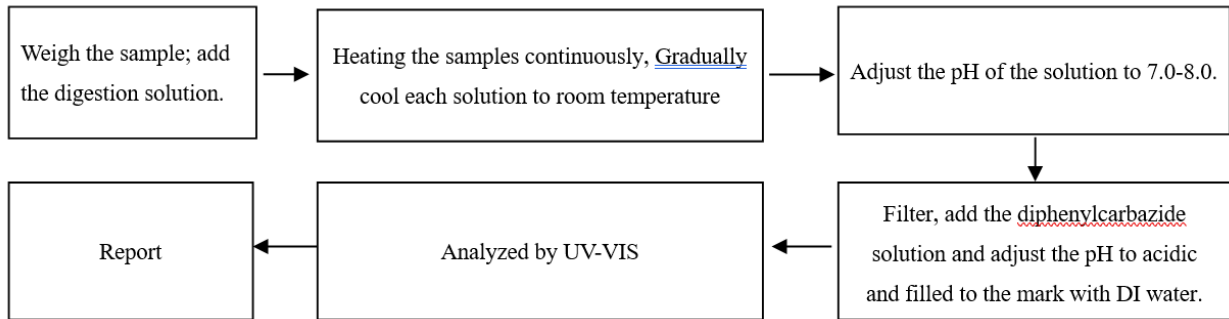


**3. Test flowchart for Phthalates/PAHs content:**

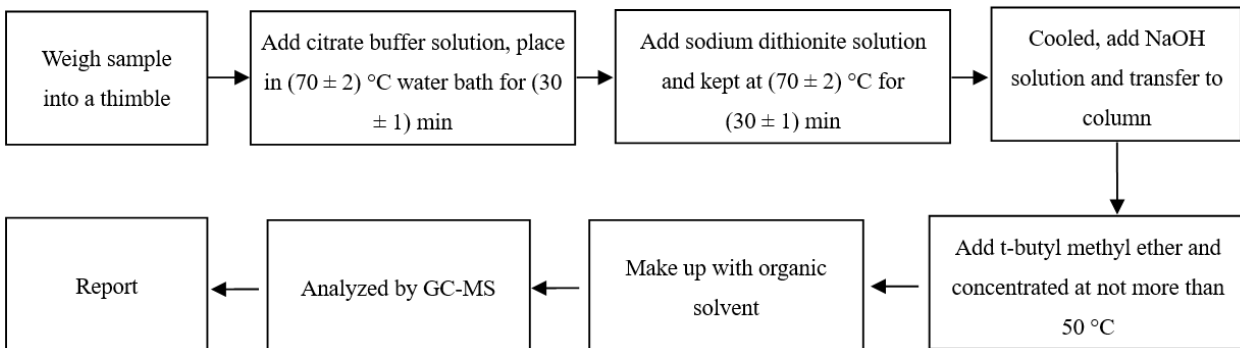


**RESULTS:**

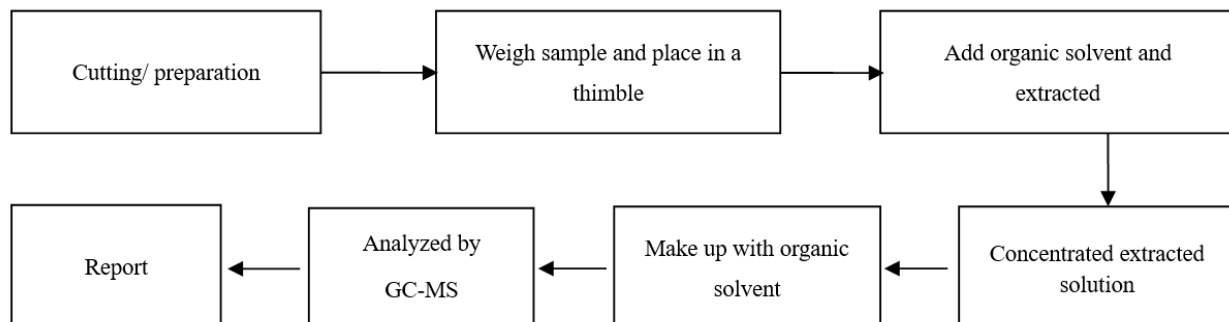
**4. Test flowchart for Cr<sup>6+</sup> content in non-metallic material:**



**5. Test flowchart for AZO content:**

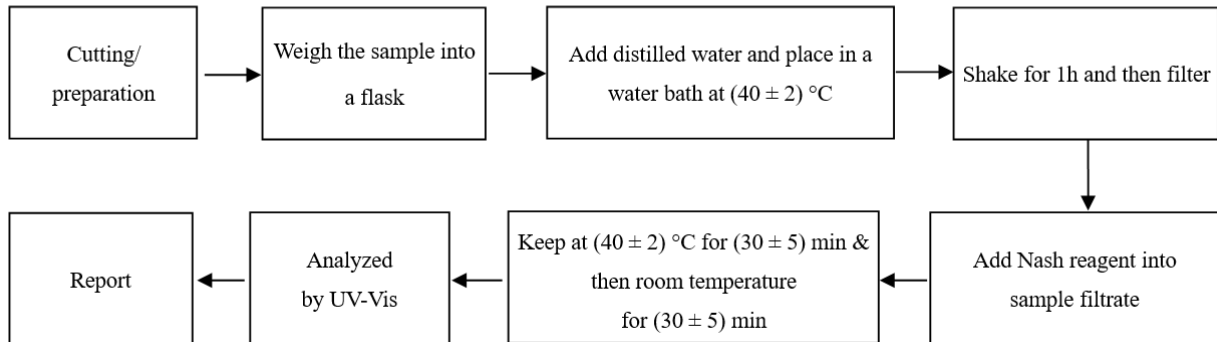


**6. Test flowchart for SCCP content:**



**RESULTS:**

**7. Test flowchart for Formaldehyde content:**



**RESULTS:**

**EXHIBIT # 1**



**EXHIBIT # 2**



**RESULTS:**

**EXHIBIT # 3**



**EXHIBIT # 4**



**RESULTS:**

**EXHIBIT # 5**



**EXHIBIT # 6**



**RESULTS:**

**EXHIBIT # 7**



**EXHIBIT # 8**





**RESULTS:**

**EXHIBIT # 9**



**EXHIBIT # 10**



**RESULTS:**

**EXHIBIT # 11**



**EXHIBIT # 12**



**RESULTS:**

**EXHIBIT # 13**



**EXHIBIT # 14**



**RESULTS:**

**EXHIBIT # 15**



**EXHIBIT # 16**

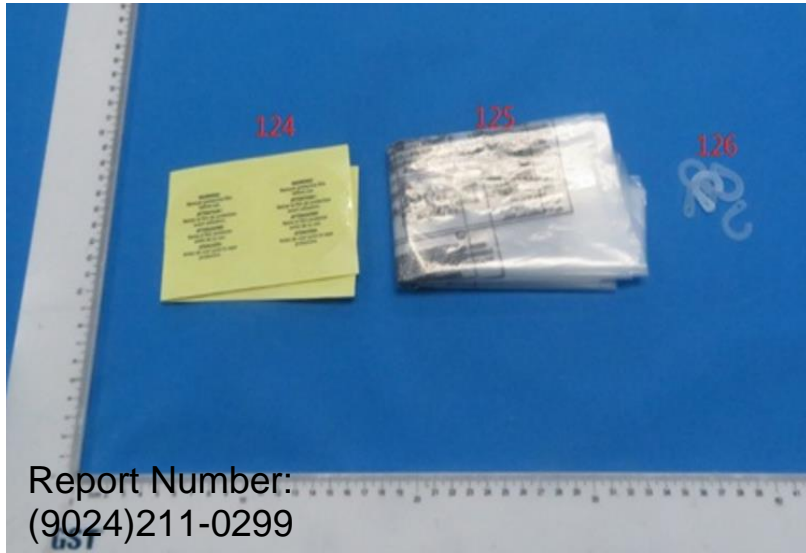




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**RESULTS:**

**EXHIBIT # 17**



End of report