

CONSUMER PRODUCTS SERVICES DIVISION

#### BTL DIFFUSION

Technical Report:	(9024)221-0125
Date Received:	JUL 10, 2024

AUG 08, 2024 Page 1 of 17

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

Sample Description:	BABY BOX ROUND - RAINBOW TE BABY BOX SQUARE - PRETTY HE		
Vendor:	N/A	Sample Size:	N/A
Buyer:	N/A	Style No(s):	PA1305/PA1307/PA1401
			/PA1403
Manufacturer:	N/A	SKN/SKU No.:	N/A
Labeled Age Grade:	NOT PRESENT	PO No.:	N/A
Appropriate Age Grade:	NOT REQUESTED	Ref #:	N/A
Client Specified Age	N/A	Assortment No.:	N/A
Grade:			
Tested Age Grade:	N/A	Country of Destination:	N/A
Country of Origin:	CHINA	Color:	N/A
UPC Code:	N/A		

#### **EXECUTIVE SUMMARY:**

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

- 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".\*
- 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 Total Lead content in the submitted sample(s) in accordance with ASTM F963-23 Standard Consumer Safety Specification for Toy Safety.\*
- 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.\*
- 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.\*
- As specified by client, to determine the Bisphenol A (BPA) content in the submitted sample(s).\*



This report is governed by, and incorporates by reference, the Conditions of Testing as posted at the date of issuance of this report at <a href="http://www.bureauveritas.com/home/about-us/our-business/cps/about-us/terms-conditions/">http://www.bureauveritas.com/home/about-us/our-business/cps/about-us/terms-conditions/</a> and is intended for your exclusive use. Any copying or replication of this report to or for any other person or entity or use of our name or trademark, is permitted only with our prior written permission. This report ests fonth our findings solely with respect to the test samples used functified herein. The results set fonth in this report are not indicative or representative of the quality or characteristics of the lot from which a test sample was taken or any similar or identical product unless specifically and expressly noted. Our report includes all of the tests requested by your and the results thered based upon that you provided to us. Measurement uncertainty is only provided upon request for accredited tests. Statements of conformity are based on simple acceptance or their without taking measurement uncertainty is coacount, unless otherwise requested in writing. You have 60 days from date of issuance of this report to notify us of any material error or omission caused by our negligence or if you require measurement uncertainty; provided, however, that such notice shall be in writing and shall specifically address the issue you with to raise. A failure to raise such issue within the report base of the completeness of this report, the tests conducted and the correctness of the report contents.



BTL DIFFUSION Technical Report: **(9024)221-0125** AUG 08, 2024 Page 2 of 17

#### EXECUTIVE SUMMARY:

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

- As specified by client, to determine the DEHP \cdot DBP \cdot BBP \cdot DINP \cdot DIBP \cdot DPENP \cdot DPENP \cdot 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 Phthalates content in the submitted sample(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.\*

#### Note:

1.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 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 and As specified by client, to determine the release of Nickel in the submitted sample(s) in accordance with Item 27 of Annex XVII of REACH Regulation (EC) 1907/2006 were not applicable. 2.With the client's prior consent, \* was subcontracted test item.



BTL DIFFUSION Technical Report: **(9024)221-0125** AUG 08, 2024 Page 3 of 17

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

86-532-58827985

86-532-58827932

Technical enquiry:Anderson ZhangGeneral enquiry and invoicing:Mandy Zhang

Anderson Zhang@bureauveritas.com

Mandy Zhang@bureauveritas.com

BUREAU VERITAS CONSUMER PRODUCTS SERVICE DIVISION (SHANGHAI)-QINGDAO BRANCH

Inderson zhong

ANDERSON ZHANG MANAGER- HARDLINE & TOY OPERATION



BTL DIFFUSION Technical Report: **(9024)221-0125** AUG 08, 2024 Page 4 of 17

#### RESULTS: Specimen Description:

No.       Test part(s) name         1       Pink/white coating on metal         2       Green/white coating on metal         3       Beige/black coating on metal         4       Multi-color coating on metal         5       Transparent varnish on metal         6       Silvery metal, cover(square)         7       Silvery metal, body(square)	Specimen Des	
2       Green/white coating on metal         3       Beige/black coating on metal         4       Multi-color coating on metal         5       Transparent varnish on metal         6       Silvery metal, cover(square)         7       Silvery metal, body(square)	No.	Test part(s) name
3       Beige/black coating on metal         4       Multi-color coating on metal         5       Transparent varnish on metal         6       Silvery metal, cover(square)         7       Silvery metal, body(square)	1	Pink/white coating on metal
4     Multi-color coating on metal       5     Transparent varnish on metal       6     Silvery metal, cover(square)       7     Silvery metal, body(square)	2	Green/white coating on metal
5     Transparent varnish on metal       6     Silvery metal, cover(square)       7     Silvery metal, body(square)	3	Beige/black coating on metal
6     Silvery metal, cover(square)       7     Silvery metal, body(square)	4	Multi-color coating on metal
7 Silvery metal, body(square)	5	Transparent varnish on metal
	6	Silvery metal, cover(square)
8 Silvery metal cover(round)	7	Silvery metal, body(square)
	8	Silvery metal, cover(round)
9 Silvery metal, body(round)	9	Silvery metal, body(round)



BTL DIFFUSION Technical Report: **(9024)221-0125** AUG 08, 2024 Page 5 of 17

#### **RESULTS:**

**Results:** 

(1) 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	Lloit	MDL	Limit	Result(s)	
	MDL	Linin	1+2+3	4+5	
Lead(Pb)	mg/kg	10	90	N.D.	N.D.

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

Test Method: CPSC-CH-E1001-08.3

Test Instrument: Atomic Absorption Spectrophotometer (AAS)

Test item(s)	Unit MDL	Linit	МП	Limit	Res	ult(s)
Test item(s)			6+7	8+9		
Lead(Pb)	mg/kg	10	100	N.D.	N.D.	

#### (2) 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)	Lipit MDI	Unit MDL Limit -	MDI Lim	MDI	Result(s)	
Test tiern(s) Offic	MDL	Linint	1+2+3	4+5		
Lead(Pb)	mg/kg	10	90	N.D.	N.D.	

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

Test Method: CPSC-CH-E1001-08.3

Test Instrument: Atomic Absorption Spectrophotometer (AAS)

Test item(s)	Unit	MDL	Limit -	Res	ult(s)
Test tiern(s)	Onic			6+7	8+9
Lead(Pb)	mg/kg	10	100	N.D.	N.D.

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

Test method: With reference to Method C02.2.2:2020& C02.4:2022



BTL DIFFUSION Technical Report: **(9024)221-0125** AUG 08, 2024 Page 6 of 17

#### **RESULTS:**

Test Instrument: Atomic Absorption Spectrophotometer (AAS)

Toot itom(o)	Lloit	МП	MDL Limit -	Result(s)				
Test item(s)	Unit ME	MDL		1+2+3	4+5	6+7	8+9	
Total Lead(Pb)	mg/kg	10	90	N.D.	N.D.	N.D.	N.D.	

#### (4) 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	МП	MDL Limit -	Resi	ult(s)
Test item(s) Unit	MDL	Linin	1+2+3	4+5	
Lead(Pb)	mg/kg	10	90	N.D.	N.D.

#### (5) 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	MDL Limit -	Resi	ult(s)
Test tierri(s) Onit	NDL		1+2+3	4+5	
Lead(Pb)	mg/kg	10	90	N.D.	N.D.

#### (6) Total lead content - ASTM F963-23 Standard Consumer Safety Specification for Toy Safety 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	L Limit -	Resu	ult(s)
Test tiern(s) Onit	MDL	Linin	1+2+3	4+5	
Lead(Pb)	mg/kg	10	90	N.D.	N.D.

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

Test Method: CPSC-CH-E1001-08.3

Test Instrument: Atomic Absorption Spectrophotometer (AAS)

Test item(s)	Unit	MDL	Limit	Result(s)
--------------	------	-----	-------	-----------



#### BTL DIFFUSION Technical Report: **(9024)221-0125** AUG 08, 2024 Page 7 of 17

#### **RESULTS:**

				6+7	8+9
Lead(Pb)	mg/kg	10	100	N.D.	N.D.

## (7) 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)		
rest ttern(s)	Offic		Linn	1+2+3	4+5	
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



BTL DIFFUSION Technical Report: **(9024)221-0125** AUG 08, 2024 Page 8 of 17

#### **RESULTS:**

## (8) 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

No	No. Test item(s)	CAS No	Unit	MDI	Result(s)		
NO.	rest tient(s)	CAS NO	Onit	MDL 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2	1+2+3	4+5	
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.	



BTL DIFFUSION Technical Report: **(9024)221-0125** AUG 08, 2024 Page 9 of 17

#### **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 1

#### (9) Bisphenol A (BPA) content

Test Method: In-house Method

#### Test Instrument: High Performance Liquid Chromatography (HPLC)

Test item(s)	Unit MDL		Client	Result(s)		
	Onit		Limit	1+2+3	4+5	
Bisphenol A (BPA)	mg/kg	0.1	0.1	N.D.	N.D.	



BTL DIFFUSION Technical Report: **(9024)221-0125** AUG 08, 2024 Page 10 of 17

#### **RESULTS:**

# (10) 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 item(s)	CAS No.	Unit	MDL	Limit	Result(s)		
restitem(s)	CAS NO.	Unit	MDL		1+2+3	4+5	
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.	
Dicyclohexly Phthalate (DCHP)	84-61-7	mg/kg	50	1000	N.D.	N.D.	



BTL DIFFUSION Technical Report: **(9024)221-0125** AUG 08, 2024 Page 11 of 17

#### **RESULTS:**

#### (11) Phthalates content- California "Proposition 65".

Test Method: CPSC-CH-C1001-09.4

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

Test item(s)	Unit	МП	Limit	Result(s)		
	Onit	MDL         Limit         1+2+3           50         1000         N.D.           50         1000         N.D.		4+5		
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.	

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

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

Test item(s)	Unit	MDL	Lingit	Result(s)		
Test item(s)	Unit	NDL	Limit	1+2+3	4+5	
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.	



BTL DIFFUSION Technical Report: **(9024)221-0125** AUG 08, 2024 Page 12 of 17

#### **RESULTS:**

#### (13) Phthalates content- Canada Consumer Product Safety Act : Phthalates Regulations (SOR/2016-188) Test Method: Health Canada Method C34:2018

Test item(s)	Unit	MDL	Limit	Result(s)
	Onic	MDL	Linit	-
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.

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

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.

#### (14) 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)		Linit	MDL	Limit	Result(s)	
Test item(s)	CAS No.	Unit	NDL	Limit	-	
Bis (2-ethylhexyl) phthalate (DEHP)	117-81-7	mg/kg	50	10000	N.A.	

Note: No applicable component was present on the received sample(s). Therefore, the phthalates content analysis according to Australia Competition and Consumer Act 2010 in children's products with reference to the Consumer Protection Notice No. 11 of 2011, was not conducted.



BTL DIFFUSION Technical Report: **(9024)221-0125** AUG 08, 2024 Page 13 of 17

#### **RESULTS:**

#### (15) Phthalates content

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

Toot itom (a)	0.00 N	1.1 14		Client	Result(s)		
Test item(s)	CAS No.	Unit	MDL	Limit	1+2+3         N.D.         N.D.	4+5	
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 brancjed and linear	84777-06-0	mg/kg	50	1000	N.D.	N.D.	
1,2-Benzenedicarboxylic acid, di- C6-8-branced 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.	



BTL DIFFUSION Technical Report: **(9024)221-0125** AUG 08, 2024 Page 14 of 17

#### **RESULTS:**

Test item(s)	CAS No.	Unit	MDL	Client Limit	Result(s)	
					1+2+3	4+5
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.

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

Test Method: In-house method

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

Test item(s)	Unit MD	МП	DL Limit	Result(s)		
rest tient(s)		MDL		1+2+3	4+5	
Short Chain Chlorinated Paraffin (SCCP)	mg/kg	50	1500	N.D.	N.D.	

#### (17) Release of Nickel - Item 27 of Annex XVII of REACH Regulation (EC) 1907/2006

Test Method: EN 12472:2020&EN 1811:2023

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

Item	Sample	Sample area ( cm <sup>2</sup> )	Volume of Test Solution (mL)	MDL (µg·cm <sup>-2</sup> ⋅week <sup>-1</sup> )	Result(s) (µg·cm <sup>-2</sup> ⋅week <sup>-1</sup> )	Conclusion
	/	/	/		/	N.A.
Nickel (Ni) release	/	/	/	0.05	/	N.A.
	/	/	/		/	N.A.

#### Remark:

Concentration measured (µg·cm <sup>-2</sup> ·week <sup>-1</sup> )	Limit (µg·cm⁻²⋅week⁻¹)	According to EN 1811-2023 (using 46% uncertainty for evaluation) (μg·cm <sup>-2</sup> ·week <sup>-1</sup> )		
Inserted into pierced parts of the human body	0.2	< 0.35	Pass	
	0.2	≥ 0.35	Fail	
Come into direct and prolonged contact with the skin	0.5	≤ 0.88	Pass	
		> 0.88	Fail	

#### Note:

-µg·cm<sup>-2</sup>·week<sup>-1</sup>= microgram per square centimeter per week

- mg/kg=milligram per kilogram

- N.D. =Not Detected (<MDL)

- N.A. = Not Applicable

- MDL=Method Detection Limit

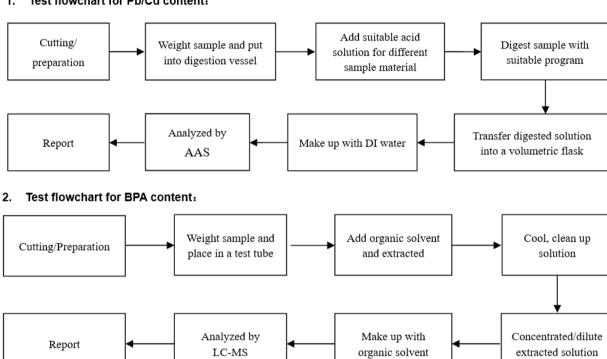
-As specified by client, the mixed testing were conducted.



BTL DIFFUSION Technical Report: **(9024)221-0125** AUG 08, 2024 Page 15 of 17

#### **RESULTS:**

Appendix



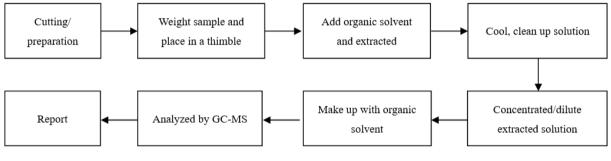
#### 1. Test flowchart for Pb/Cd content:



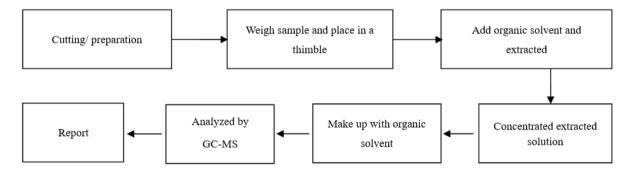
BTL DIFFUSION Technical Report: **(9024)221-0125** AUG 08, 2024 Page 16 of 17

#### **RESULTS:**

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



#### 4. Test flowchart for SCCP content:





BTL DIFFUSION Technical Report: **(9024)221-0125** AUG 08, 2024 Page 17 of 17

#### **RESULTS:**

EXHIBIT # 1



End of report