



# TEST REPORT

## BTL Diffusion

16, Rue Anatole Moussu - ZA Méré Nord Est 78490 Méré, France

Report No.: 1002172346

Date: Dec.18, 2023

**SAMPLE DESCRIPTION** : Wooden Activity Arch – Forest / Wooden Activity Arch – Farm /  
Wooden Activity Arch - Ocean / Wooden Activity Arch - Jungle

**STYLE NO.** : 304522 / 302849 / 303952 / 302832

**PO NO.** : Not Provided

**AGE GRADE** : 0+

**COLOUR** : Not Provided

**APPLICANT** : BTL Diffusion

**MANUFACTURER** : Not Provided

**BUYER** : Not Provided

**COUNTRY OF ORIGIN** : China

**EXPORTED TO** : Not Provided

**TESTING LOCATION** : UL VS Shanghai Limited Shenzhen Branch

**DATE RECEIVED SAMPLES** : Dec 07, 2023

**DATE OF TEST** : Dec 07, 2023 – Dec 18, 2023

**RESULTS** : Please refer to the following page(s)

### CONCLUSION:

1. 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. Pass#
2. As specified by client, to determine the Heavy Elements content in the submitted sample(s) in accordance with ASTM F963-17 (Clause 4.3.5) Standard Consumer Safety Specification for Toy Safety. Pass#
3. 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. Pass#
4. As specified by client, to determine the Lead content in the submitted sample(s) in accordance with California “Proposition 65”. Pass#
5. 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. Pass#
6. 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). Not Applicable
7. As specified by client, to determine the Total Lead content in the submitted sample(s) in accordance with 16 CFR 1303. Not Applicable
8. 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. Pass#
9. 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. Pass#
10. 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”. Pass#
11. 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. Pass#

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UL VS Shanghai Limited Shenzhen Branch  
3-7F, 9-10F Building B, Sino-German (Europe) Industrial Park, South side of Hangcheng Avenue,  
Xixiang Subdistrict, Bao’an District, Shenzhen, P.R.China Post Code 518126

优力胜质量检测（上海）有限公司深圳分公司  
广东省深圳市宝安区航城大道1号中德欧产业园B栋3-7, 9-10楼 邮编: 518126  
电话(T): 755-81202888 / 网址(W): W: ul.com



# TEST REPORT

## BTL Diffusion

16, Rue Anatole Moussu - ZA Méré Nord Est 78490 Méré, France

Report No.: 1002172346

Date: Dec.18, 2023

### CONCLUSION:

- |  |                |
|--|----------------|
| 12. 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).                           | Not Applicable |
| 13. 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.                  | Pass#          |
| 14. As specified by client, to determine the Phthalates content in the submitted sample(s).  | Pass#          |
| 15. As specified by client, to determine the Formaldehyde content in the submitted sample(s).  | Data           |
| 16. 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.                     | Pass#          |
| 17. As specified by client, to determine the Pentachlorophenol (PCP) content in the submitted sample(s) in accordance with the Persistent Organic Pollutants (POPs) Regulation (EU) 2019/1021 and its amendment Directive (EU) 2021/277. | Pass#          |

#: The test was performed at UL approved subcontract lab.

Note: The results relate only to the items tested.

### For and on behalf of

UL VS Shanghai Limited Shenzhen Branch



Eric Wu - Laboratory Manager  
(Hardlines Department)

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# TEST REPORT

**BTL Diffusion**

16, Rue Anatole Moussu - ZA Méré Nord Est 78490 Méré, France

Report No.: 1002172346

Date: Dec.18, 2023

## TEST RESULTS

### Specimen Description:

No.	Test part(s) name
1	Natural wood
2	Natural wood
3	Orange PU, body
4	Coffee PU, feet
5	Natural wood
6	Black plated silvery metal
7	Black plated silvery metal
8	Black plated silvery metal

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3-7F, 9-10F Building B, Sino-German (Europe) Industrial Park, South side of Hangcheng Avenue,  
Xixiang Subdistrict, Bao'an District, Shenzhen, P.R.China Post Code 518126

优力胜质量检测(上海)有限公司深圳分公司  
广东省深圳市宝安区航城大道1号中德欧产业园B栋3-7, 9-10楼 邮编: 518126  
电话(T): 755-81202888 / 网址(W): W: ul.com



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### TEST 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	
Aluminum (Al)	mg/kg	2	2250	560	28130	N.D.
Antimony(Sb)	mg/kg	2	45	11.3	560	N.D.
Arsenic(As)	mg/kg	0.5	3.8	0.9	47	N.D.
Barium(Ba)	mg/kg	2	1500	375	18750	N.D.
Boron(B)	mg/kg	2	1200	300	15000	N.D.
Cadmium(Cd)	mg/kg	0.2	1.3	0.3	17	N.D.
Chromium(Cr <sup>3+</sup> )	mg/kg	2	37.5	9.4	460	N.D.
Chromium(Cr <sup>6+</sup> )	mg/kg	0.015	0.02	0.005	0.053	N.D.
Cobalt (Co)	mg/kg	2	10.5	2.6	130	N.D.
Copper (Cu)	mg/kg	2	622.5	156	7700	N.D.
Lead (Pb)	mg/kg	0.2	2.0	0.5	23	N.D.
Manganese (Mn)	mg/kg	2	1200	300	15000	24
Mercury (Hg)	mg/kg	1	7.5	1.9	94	N.D.
Nickel (Ni)	mg/kg	2	75	18.8	930	N.D.
Selenium (Se)	mg/kg	2	37.5	9.4	460	N.D.
Strontium (Sr)	mg/kg	2	4500	1125	56000	N.D.
Tin (Sn)	mg/kg	0.2	15000	3750	180000	N.D.
Organic tin	mg/kg	0.2	0.9	0.2	12	N.D.
Zinc (Zn)	mg/kg	2	3750	938	46000	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.

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### TEST RESULTS

#### 2. Heavy Elements content- ASTM F963-17 (Clause 4.3.5) Standard Consumer Safety Specification for Toy Safety.

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

Test Method: CPSC-CH-E1002-08.3& CPSC-CH-E1001-08.3

Test Instrument: Atomic Absorption Spectrophotometer (AAS)

Test item(s)	Unit	MDL	Limit	Result(s)			
				3+4	6	7	8
Lead(Pb)	mg/kg	10	100	N.D.	N.D.	N.D.	N.D.

Soluble elements Content

Test Method: ASTM F 963-17 Section 8.3.5

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

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

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### TEST RESULTS

#### 3. 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 Non-Surface Coating Materials (Substrate)

Test Method: CPSC-CH-E1002-08.3& CPSC-CH-E1001-08.3

Test Instrument: Atomic Absorption Spectrophotometer (AAS)

Test item(s)	Unit	MDL	Limit	Result(s)			
				3+4	6	7	8
Lead(Pb)	mg/kg	10	100	N.D.	N.D.	N.D.	N.D.

#### 4. Total lead content - California "Proposition 65"

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

Test Method: CPSC-CH-E1002-08.3& CPSC-CH-E1001-08.3

Test Instrument: Atomic Absorption Spectrophotometer (AAS)

Test item(s)	Unit	MDL	Limit	Result(s)			
				3+4	6	7	8
Lead(Pb)	mg/kg	10	100	N.D.	N.D.	N.D.	N.D.

#### 5. Total Lead content - Consumer Products Containing Lead Regulations SOR/2018-83

Test method: With reference to Method C02.3.2:2021& C-02.4:2022

Test Instrument: Atomic Absorption Spectrophotometer (AAS)

Test item(s)	Unit	MDL	Limit	Result(s)			
				3+4	6	7	8
Total Lead(Pb)	mg/kg	10	90	N.D.	N.D.	N.D.	N.D.

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### TEST RESULTS

#### 6. 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)
				-
Lead(Pb)	mg/kg	10	90	N.A.

Note: No accessible surface coating was found on the submitted samples. Consequently, analysis Total lead content in surface coating materials (Canada Consumer Product Safety Act, Surface Coating Materials Regulation, SOR/2016-193) was not conducted.

#### 7. 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)
				-
Lead(Pb)	mg/kg	10	90	N.A.

Note: No accessible surface coating was present on the received sample(s). Consequently, the lead content analysis of surface coatings according to modified 16 CFR 1303, "Ban of lead-containing paint and certain consumer products bearing lead-containing paint", was not conducted.

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### TEST 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

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

No.	Test item(s)	CAS No	Unit	MDL	Result(s)
					3+4
1	Benzo (a)anthracene (BaA)	56-55-3	mg/kg	0.2	N.D.
2	Chrysene (CHR)	218-01-9	mg/kg	0.2	N.D.
3	Benzo (b) fluoranthene (BbFA)	205-99-2	mg/kg	0.2	N.D.
4	Benzo (k) fluoranthene (BkFA)	207-08-9	mg/kg	0.2	N.D.
5	Benzo (j) fluoranthene (BjFA)	205-82-3	mg/kg	0.2	N.D.
6	Benzo (e) pyrene (BeP)	192-97-2	mg/kg	0.2	N.D.
7	Benzo (a) pyrene (BaP)	50-32-8	mg/kg	0.2	N.D.
8	Dibenzo (a,h) anthracene (DBAhA)	53-07-3	mg/kg	0.2	N.D.

#### 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

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Xixiang Subdistrict, Bao'an District, Shenzhen, P.R.China Post Code 518126

优力胜邦质量检测(上海)有限公司深圳分公司  
广东省深圳市宝安区航城大道1号中德歌产业园B栋3-7, 9-10楼 邮编: 518126  
电话(T): 755-81202888 / 网址(W): W: ul.com





# TEST REPORT

## BTL Diffusion

16, Rue Anatole Moussu - ZA Méré Nord Est 78490 Méré, France

Report No.: 1002172346

Date: Dec.18, 2023

### TEST RESULTS

#### 9. 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)

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

#### 10. 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)
				3+4
Bis (2-ethylhexyl) phthalate (DEHP)	mg/kg	50	1000	N.D.
Dibutyl phthalate (DBP)	mg/kg	50	1000	N.D.
Benzyl butyl phthalate (BBP)	mg/kg	50	1000	N.D.
Di-n-hexyl phthalate (DNHP)	mg/kg	50	1000	N.D.
Diisodecyl phthalate (DIDP)	mg/kg	100	1000	N.D.
Di-iso-nonyl phthalate (DINP)	mg/kg	100	1000	N.D.

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# TEST REPORT

## BTL Diffusion

16, Rue Anatole Moussu - ZA Méré Nord Est 78490 Méré, France

Report No.: 1002172346

Date: Dec.18, 2023

### TEST RESULTS

#### 11. 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)
				3+4
Bis-(2-ethylhexyl)Phthalate (DEHP)	mg/kg	50	1000	N.D.
Dibutyl Phthalate (DBP)	mg/kg	50	1000	N.D.
Benzylbutyl Phthalate (BBP)	mg/kg	50	1000	N.D.
Diisobutyl phthalate (DIBP)	mg/kg	50	1000	N.D.
Total(DEHP+ DBP+BBP+ DIBP)	mg/kg	/	1000	N.D.
Diisononyl Phthalate (DINP)	mg/kg	100	/	N.D.
Diisodecyl Phthalate (DIDP)	mg/kg	100	/	N.D.
Di-n-octyl Phthalate (DNOP)	mg/kg	50	/	N.D.
Total(DINP+ DIDP+DNOP)	mg/kg	/	1000	N.D.

#### 12. 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.

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# TEST REPORT

**BTL Diffusion**

16, Rue Anatole Moussu - ZA Méré Nord Est 78490 Méré, France

Report No.: 1002172346

Date: Dec.18, 2023

## TEST RESULTS

### 13. 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)
					3+4
Bis (2-ethylhexyl) phthalate (DEHP)	117-81-7	mg/kg	50	10000	N.D.

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# TEST REPORT

## BTL Diffusion

16, Rue Anatole Moussu - ZA Méré Nord Est 78490 Méré, France

Report No.: 1002172346

Date: Dec.18, 2023

### TEST RESULTS

#### 14. 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)
					3+4
Benzyl butyl phthalate(BBP)	85-68-7	mg/kg	50	1000	N.D.
Dibutyl phthalate (DBP)	84-74-2	mg/kg	50	1000	N.D.
Di-2-ethylhexyl phthalate (DEHP)	117-81-7	mg/kg	50	1000	N.D.
Diisobutyl phthalate(DIBP)	84-69-5	mg/kg	50	1000	N.D.
Di(2-methoxyethy) phthalate (DMEP)	117-82-8	mg/kg	50	1000	N.D.
1,2-Benzenedicarboxylic acid, dipentylester, branched and linear(DPP)	131-18-0	mg/kg	50	1000	N.D.
1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	mg/kg	50	1000	N.D.
n-Pentyl –isopentylphthalate(nPiPP)	776297-69-9	mg/kg	50	1000	N.D.
Diisopentyl phthalate(DIPP)	605-50-5	mg/kg	50	1000	N.D.
1,2-Benzenedicarboxylic acid, dipentylester branched and linear	84777-06-0	mg/kg	50	1000	N.D.
1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)	71888-89-6	mg/kg	50	1000	N.D.
1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP)	68515-42-4	mg/kg	50	1000	N.D.
Di-n-hexyl Phthalate(DHP)	84-75-3	mg/kg	50	1000	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.
Di-iso-nonyl phthalate (DINP)	28553-12-0	mg/kg	50	1000	N.D.
Diisodecyl Phthalate (DIDP)	26761-40-0	mg/kg	50	1000	N.D.
Di-n-octyl Phthalate(DNOP)	117-84-0	mg/kg	50	1000	N.D.
Diethyl Phthalate(DEP)	84-66-2	mg/kg	50	1000	N.D.
Dicyclohexyl phthalate (DCHP)	84-61-7	mg/kg	50	1000	N.D.

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# TEST REPORT

## BTL Diffusion

16, Rue Anatole Moussu - ZA Méré Nord Est 78490 Méré, France

Report No.: 1002172346

Date: Dec.18, 2023

### TEST RESULTS

#### 15. Formaldehyde content

Test Method: EN 717-3: 1996

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

Test item(s)	Unit	MDL	Result(s)		
			1	2	5
Formaldehyde	mg/kg	10	N.D.	N.D.	N.D.
Moisture Content	%	/	7.12	8.19	9.31

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# TEST REPORT

## BTL Diffusion

16, Rue Anatole Moussu - ZA Méré Nord Est 78490 Méré, France

Report No.: 1002172346

Date: Dec.18, 2023

### TEST RESULTS

#### 16. 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)
						3+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.
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, 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.

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广东省深圳市宝安区航城大道1号中德欧产业园B栋3-7, 9-10楼 邮编: 518126  
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# TEST REPORT

## BTL Diffusion

16, Rue Anatole Moussu - ZA Méré Nord Est 78490 Méré, France

Report No.: 1002172346

Date: Dec.18, 2023

### TEST RESULTS

#### 17. Pentachlorophenol (PCP) content - the Persistent Organic Pollutants (POPs) Regulation (EU) 2019/1021 and its amendment Directive (EU) 2021/277.

Test Method: In-house Method

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

Test item(s)	Unit	MDL	Limit	Result(s)
				1
Pentachlorophenol(PCP)	mg/kg	0.1	5	N.D.

### Photo(s) of specimen for reference



### Note:

- mg/kg=milligram per kilogram
- N.D. =Not Detected (<MDL)
- N.A. = Not Applicable
- MDL=Method Detection Limit
- The soluble test results shown are of the adjusted analytical results.
- As specified by client, the mixed testing were conducted.
- As specified by client, only above test part(s) were analyzed.

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# TEST REPORT

**BTL Diffusion**

16, Rue Anatole Moussu - ZA Méré Nord Est 78490 Méré, France

Report No.: 1002172346

Date: Dec.18, 2023

**PRODUCT PHOTO:**



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SZ-FAF-001 (2023-06-08)

UL VS Shanghai Limited Shenzhen Branch  
3-7F, 9-10F Building B, Sino-German (Europe) Industrial Park, South side of Hangcheng Avenue,  
Xixiang Subdistrict, Bao'an District, Shenzhen, P.R.China Post Code 518126

优力胜质量检测(上海)有限公司深圳分公司  
广东省深圳市宝安区航城大道1号中德欧产业园B栋3-7, 9-10楼 邮编: 518126  
电话(T): 755-81202888 / 网址(W): W: ul.com



## UL VS Terms and Conditions

### All services are governed by the following Terms and Conditions.

- Verification Services.** The UL Contracting Party ("we", "us", or "our" as the context requires) will perform commercial testing, verification, audit, assessment, inspection, and/or other services ("Services") in accordance with our instructions as described in this order, scope of work, project proposal, quotation, or order acknowledgment ("Quotation"). The Services will be limited to an assessment of your samples' conformity to requirements, specifications, and/or protocols you have established ("Your Requirements"), and do not express any opinion regarding the bulk from which the samples were drawn. The Services do not involve any assessment or evaluation to independent safety standards, and we and our affiliates have no responsibility to make any independent safety assessment of any samples.
- Retailer Programs.** If you request us to test compliance with retailer, carrier or other third party program ("Retailer") by requesting Services under the Retailer's program, you consent to our disclosure of all associated information, materials, and deliverables to such Retailer and acknowledge that, notwithstanding any terms to the contrary in these Terms and Conditions, the ownership of the deliverables for the Services will be in accordance with the Retailer's program.
- Payment Terms.** You will pay, without set off, our fees and related expenses in accordance with our then current pricing or as set out on the Quotation including the cost of all taxes, wire or transfer fees, duties, and other fiscal charges which become due on the quoted price and will indemnify us from and against liabilities, incurred as a result of failure to pay any such sums when they become due. We may charge interest at 1% per month (12% per year), or the maximum legal rate if less than 1.0% per month, from the due date until paid fully. You agree to pay reasonable collection costs, including attorneys' fees, if necessary, in the event of late or non-payment.
- Your Requirements.** You are responsible for establishing or selecting all Your Requirements that we will use in performing the Services. We may provide you with assistance in developing Your Requirements that meet your needs, however, in all cases you must review and approve Your Requirements to be used in performing the Services.
- Estimated Schedule and Price.** Any time schedule and pricing terms set forth in this Quotation are estimates only and subject to change upon reasonable notice from us depending upon the specific project.
- On-Site Investigations.** If we perform Services on site at your facilities, or at the facilities of other parties as directed by you; you will ensure that our representatives have safe, secure, and free access to the facilities. Our access will not be conditioned upon the execution of any agreement, waiver, or release. If our representatives are prevented from performing or completing any Services for any reason beyond our reasonable control, we will not be responsible for the nonperformance, and you may be charged for any actual expenses we incur and fees for Services performed.
- Deliverables.** We will provide you with a report outlining: (i) your instructions and request for Services accepted by us, (ii) Your Requirements used in providing the Services, (iii) the Services performed, and (iv) the results of those Services. We are under no obligation to refer to or report on any facts or circumstances which are outside your specific instructions received and accepted by us.
- Our Findings.** We do not guarantee that our opinions or findings will be recognized or accepted by third parties.
- Use of Names and Marks.** Except as otherwise authorized by us in writing, you will not use our name, abbreviation, symbols, marks, or the name of any of our subsidiaries, affiliates, or parent on any goods or their containers or packaging, or in connection with any advertising, promotions, or otherwise.
- Cancellation Fees.** If you cancel or change a Quotation: (i) for an inspection after 3:00 PM of the working day before the scheduled inspection date, we will charge you the Quotation price plus any travel costs incurred before the cancellation; (ii) for testing after we receive the sample(s) at the testing facility, we will charge you cancellation fees according to the amount of actual work performed with a minimum cancellation fee of \$100 USD; or (iii) for a scheduled audit date, you will be responsible for all incurred non-refundable travel costs associated with that audit. Any change or cancellation of an audit that occurs within 7 days of the scheduled audit will be charged a \$600 USD fee in addition to any incurred travel costs.
- No Warranty.** NO REPRESENTATION, WARRANTY, OR GUARANTEE, EXPRESS OR IMPLIED, IS INCLUDED IN THESE TERMS AND CONDITIONS, OR IN ANY QUOTATION, REPORT, OR OTHER DOCUMENT PROVIDED UNDER THESE TERMS AND CONDITIONS INCLUDING, BUT NOT LIMITED TO: (i) ANY "IMPLIED WARRANTY OF MERCHANTABILITY" OR "FITNESS FOR A PARTICULAR PURPOSE", (ii) NON-INFRINGEMENT, AND (iii) THAT THE WEB SERVICES (AS DEFINED BELOW) WILL BE UNINTERRUPTED, TIMELY, SECURE, OR ERROR-FREE.
- Your Information.** You represent and warrant that all information and data provided to us by you, or on your behalf ("Your Information"), is complete and accurate and may be relied upon to provide Services. In addition, you represent and warrant that all of Your Information is owned or licensed by you, and does not infringe on the intellectual property rights of any third party. If any information or data provided to us by you or on your behalf is either incomplete or inaccurate, we will not be liable in any manner for any deficiencies in the Services.
- Ownership of Work Product.** You will own the test reports or other materials provided to you pursuant to any Quotation. We may retain a copy of the test reports and other materials for our archives and for creating reports for you and third parties, as required by you.
- Web Services.** We may provide you with certain website tools and related services, including the ability to order services online through a website (collectively, the "Web Services"). The Web Services are provided to you as a convenience and are provided on an "as is, as available" basis. By using the Web Services, you acknowledge and agree that no data or content transmitted over our networks, the Internet, or wirelessly, or through or in connection with the Web Services, is guaranteed to be secure or free from unauthorized intrusion, and that data stored by us, our affiliates, or our service providers may be deleted, modified, or damaged. You acknowledge that if you wish to protect your transmission of data or files to us, it is your responsibility to use a secure encrypted connection to communicate with and use the Web Services. Your use of the Web Services is at your sole risk and is subject to any terms of use applicable to such Web Services. Web Services are included in the definition of Services above.
- Confidentiality.** We will not disclose your information obtained in confidence ("Confidential Information") to third parties, except our subsidiaries, affiliates, or subcontractors, without your prior written authorization. Confidential Information will not include information: (a) already known to us, (b) publicly available, (c) subsequently acquired by us from other sources without a breach of these Terms and Conditions, (d) disclosure that is necessary to perform the Services, (e) required to be produced by law or government order, or accreditation authority, or (f) related to a product bearing a UL Mark that should be disclosed to us or our affiliates pursuant to another agreement with you.
- Samples.** If we require sample examination, you will ship samples to us at your expense. Upon completion of testing, the samples will be destroyed, unless other arrangements are made for return of the samples at your expense. You acknowledge that testing and sample preparation may damage or destroy the sample(s), for which we will not be liable.
- LIMITATION OF LIABILITY.** OUR LIABILITY FOR ANY CLAIMS FOR LOSS, DAMAGE, OR EXPENSE OF ANY NATURE AND HOWSOEVER ARISING INCLUDING WITHOUT LIMITATION CLAIMS FOR ANY BREACH OF CONTRACT AND/OR ANY FAILURE TO EXERCISE APPROPRIATE SKILL AND CARE BY US WILL UNDER NO CIRCUMSTANCE EXCEED THE FEES RECEIVED FOR THE SPECIFIC SERVICES WHICH GIVE RISE TO SUCH CLAIMS. UNDER NO CIRCUMSTANCE WILL WE HAVE ANY LIABILITY FOR ANY CLAIMS FOR INDIRECT, CONSEQUENTIAL, INCIDENTAL, SPECIAL, EXEMPLARY, OR PUNITIVE DAMAGES OF ANY NATURE WHATSOEVER, INCLUDING BUT NOT LIMITED TO: LOSS OF PROFITS, GOODWILL, USE, DATA, FUTURE BUSINESS, OR PRODUCTION; CANCELLATION OF CONTRACTS ENTERED INTO BY YOU; OR OTHER INTANGIBLE LOSSES (EVEN IF WE HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES). UNDER NO CIRCUMSTANCE WILL WE BE LIABLE TO YOU FOR ANY CLAIMS FOR LOSS, DAMAGE, OR EXPENSE UNLESS SUCH CLAIM IS BROUGHT UNDER SECTION 25 (DISPUTES) WITHIN TWELVE MONTHS AFTER THE DATE OF THE PERFORMANCE BY US OF THE SERVICES WHICH GIVE RISE TO THE CLAIM OR, IN THE EVENT OF ANY ALLEGED NON-PERFORMANCE, WITHIN TWELVE MONTHS OF THE DATE WHEN SUCH SERVICES SHOULD HAVE BEEN COMPLETED.
- Indemnification.** You will defend, hold harmless, and indemnify us and our officers, directors, trustees, employees, agents, or subcontractors against all claims made by any third party for loss, damage, or expense arising out of these Terms and Conditions, including without limitation, the performance or non-performance of any Services or the Web Services.
- Waiver.** Any failure by a party to insist upon the performance of any section of these Terms and Conditions will not constitute a waiver of any rights under these Terms and Conditions or future performance of that section.
- No Third Party Beneficiaries.** The parties intend that no provisions of these Terms and Conditions will in any way bind or benefit any third party or the public at large and that no third party will have any rights or cause of action under these Terms and Conditions. In particular, in the event Singapore law governs these Terms and Conditions pursuant to Section 24 (Governing Law), a person or entity who is not a party to these Terms and Conditions will have no right under the Contracts (Rights of Third Parties) Act (Chapter 53B) to enforce any term of these Terms and Conditions, regardless of whether such person or entity has been identified by name, as a member of a class, or as answering a particular description.
- No Assignment.** Neither party may assign any of its rights or obligations under these Terms and Conditions to any other person without the other party's written authorization. However, we may, upon written notice, assign our rights and obligations under these Terms and Conditions to any of our affiliates or subsidiaries.
- Subcontracting.** We may use subcontractors for certain testing or other Services. All subcontractors will meet our current qualification requirements and will comply with our requirements for confidentiality, conflicts of interest, and ethical standards.
- Termination and Notice.** These Terms and Conditions will continue in effect until terminated by either party upon thirty days written notice or, in the event of your breach of these Terms and Conditions, immediately upon receipt of written notice to you. You will pay those fees and expenses incurred by us prior to termination. Notice to either party may be made by hand delivery, courier service, mail, facsimile, or e-mail transmission at the receiving party's designated principal place of business. Notice to us must be sent both to: UL Verification Services Pte. Ltd, Attn: President, 1 Maritime Square, Harbour Front Centre, #11-03, Singapore 099253 with a copy to UL LLC, Attn.: General Counsel at 333 Pfingsten Road, Northbrook, Illinois 60062. Notice will be effective upon receipt.
- Governing Law:** These Terms and Conditions will be governed and interpreted by the laws of the State of Illinois, United States of America, except if: (i) UL Contracting Party's principal place of business is Asia, Australia, or New Zealand, then Singapore law, and (ii) UL Contracting Party's principal place of business is Europe, then Swiss law, without reference to the applicable jurisdiction's choice of law principles.
- Disputes.** Any dispute or disagreement, other than nonpayment of fees, relating to these Terms and Conditions or the Services, will be settled by confidential, binding arbitration administered by the International Centre for Dispute Resolution of the American Arbitration Association ("AAA") pursuant to the AAA Commercial Arbitration Rules and the Procedures for Large, Complex Commercial Disputes. The arbitration venue will be Chicago, Illinois, except if: (i) UL Contracting Party's principal place of business is in Europe, the venue will be Geneva, Switzerland, and (ii) UL Contracting Party's principal place of business is in Asia, Australia, or New Zealand, the venue will be Singapore, Republic of Singapore. The arbitration will be conducted before a panel of three (3) arbitrators. The arbitration panel will be selected as follows: the parties will request a list of ten (10) arbitrators drawn from the AAA's panel of commercial arbitrators (who are experienced in and familiar with the AAA's Procedures for Large, Complex Commercial Disputes). From this list, both parties will each choose one arbitrator. After they have been notified of their panel selection, the two (2) arbitrators will agree on a third arbitrator from the list of ten (10), who will be the chair of the panel, and the panel will be final. The decision of the majority of the arbitrators will be the panel's decision. The arbitrators will not have the authority to add, change, or disregard any term of these Terms and Conditions to award incidental, consequential, or punitive damages (including, but not limited to, loss of use, unjust enrichment, and/or lost profits), or exceed the remedies provided by the limitation of liability of these Terms and Conditions. The panel's decision will be binding and judgment on the arbitration award may be entered by a court of competent jurisdiction. Arbitration will be the final remedy for any dispute between the parties arising out of these Terms and Conditions, provided, however, that nothing herein will prevent either party from seeking a court order for injunctive relief (in addition to other remedies) to stop or prevent misuse or misappropriation of its marks, confidential or proprietary information, or infringement of its intellectual property, in a court of law. All arbitrations will be conducted in English.
- Severability.** If any section of these Terms and Conditions is held invalid, void, or unenforceable for any reason that section will be severed, and all other sections of these Terms and Conditions will remain valid to the extent permissible under law.
- Modifications.** These Terms and Conditions are the entire and complete agreement between the parties and supersede any other communications, representations, or agreements with respect to its subject matter. Under no circumstances will any preprinted, additional, or different terms and conditions on your requests for quotation, purchase orders, invoices, sales or marketing materials, emails, any acceptance communications, or other business documents apply to any Services or Quotation or bind us in any manner. Modifications that have not been made by us or that have not been accepted by us in a written or emailed confirmation from us are not accepted by us, and commencement of performance will not signify acceptance by us of any such modifications. Any such modifications are excluded from our agreement, and such modifications will not be a binding agreement on us.
- Order of Precedence.** Except for conflicts with Section 3 (Payment Terms), Section 5 (Estimated Schedule and Price) and Section 10 (Cancellation Fees), these Terms and Conditions will take precedence over any conflicting terms in any Quotation.
- Electronic Signature.** These Terms and Conditions may be executed and delivered by facsimile, PDF, or by means of other electronic signature. Our electronic, digital, or hard copies of these Terms and Conditions, your acceptance, and Quotations as signed, or otherwise accepted, by you will be the true, complete, valid, authentic, and enforceable copies of these documents. You agree that you will not contest the admissibility or enforceability of our copies in a court or any proceeding arising out of such documents.
- Force Majeure.** Neither party will be liable for any failure or delay in the performance of its obligations due to fire, flood, earthquake, governmental actions, epidemics, elements of nature, or acts of God, acts of war, terrorism, riots, civil disorder, rebellions, or other similar cause beyond the reasonable control of the party affected, provided such default or delay: (i) could not have been prevented by reasonable precautions; (ii) not reasonably be circumvented; (iii) and the party hindered or delayed immediately notifies the other party describing the circumstance causing delay.