

Report No.: **158308414a 001**

Page 1 of 18

**Client:** DEPESCHE VERTRIEB GMBH & CO. KG

**Contact Information:** Vierlander Strasse 14, 21502 Geesthacht, Germany

**Test item(s):** Non toys

**Identification/  
Model No(s):** Packaging of water based nail polish  
Item No.: 13818  
Order No.: 13818/A

**Sample obtaining method:** Sending by customer

**Condition at delivery:** Test item complete and undamaged.

**Sample Receiving date:** 2025-04-21

**Testing Period:** 2025-04-22 to 2025-04-24

**Place of testing:** Chemical laboratory Hong Kong, Toys laboratory Hong Kong

**Test Specification:**

Please refer to "Test Result Summary List" on page 2 for details

**Other information:**

Country of Origin: China

Country of Destination: Europe

The provided age grade of the item(s) : Not Provided

The appropriate age grade of the item(s) : For age over 3 years.

The item was tested for the age of over 3 years.

Packaging provided: Yes

The selection of the tested materials and parameters is based on testing experience according to the principles of proportionally considering technological probabilities. The analyses are focused on expected harmful substances caused by nature of materials and production conditions.

For and on behalf of  
TÜV Rheinland Hong Kong Ltd.



Amenda Yung/  
Senior CS Manager

2025-05-07

Date

Name/Position



Wong Yiu Tong , Tommy/  
Senior Lab Manager

2025-05-07

Date

Name/Position

Sample information is provided by customer. Test result is drawn according to the kind and extent of tests performed.

This test report relates to the above mentioned test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any safety mark on this or similar products.

"Decision Rule" document announced in our website (<https://www.tuv.com/landingpage/en/qm-gcn/>) describes the statement of conformity and its rule of enforcement for test results are applicable throughout this test report.

**Test Report No.: 158308414a 001**

Page 2 of 18

**Test Result Summary :****Test Specification:**

- 1 - Physical and Mechanical Test
- Flammability Test
- General Product Labeling

**Test result:**

PASS  
PASS  
Refer to result page

The above test(s) are tested per requested by applicant for "The General Product Safety Regulation (GPSR): (EU) 2023/988"

- 2 Total Cadmium Content - according to REACH regulation (EC) No. 1907/2006 Annex XVII Entry 23 and its amendments PASS

Total Lead Content - REACH Regulation (EC) No. 1907/2006 Annex XVII Entry 63 and its amendments PASS

- 3 Depesche requirement: PASS  
Total Lead Content

- 4 Polycyclic aromatic hydrocarbons (PAHs) - REACH regulation (EC) No. 1907/2006 with Amendment No. 552/2009- Annex XVII Item No. 50 and (EU) No.1272/2013 PASS

- 5 Polycyclic aromatic hydrocarbons (PAHs) - according to GS Specification - AfPS GS 2019:01 PAK PASS

- 6 Depesche requirement: PASS  
Phthalates content

- 7 Short Chain Chlorinated Paraffin (C10-C13) (SCCP) - according to Regulation (EU) 2019/1021 PASS

Depesche's requirement: PASS  
Medium Chain Chlorinated Paraffins (C14 - C17) (MCCP)

- 8 Packaging Waste Total Heavy Metal Content - 94/62/EC PASS

**Test Report No.: 158308414a 001**

Page 3 of 18

**Material List:**

Item: Packaging of water based nail polish  
 Item No.: 13818  
 Order No.: 13818/A

Material No.	Material	Color	Location
M001	Whole Product	Multicolor	[#Pink Style]-Whole Product;[#Green Style]-Whole Product;[#Purple Style]-Whole Product
M002	Plastic	White	[#Pink Style]-Lid;[#Green Style]-Lid;[#Purple Style]-Lid
M003	Plastic	Pink	[#Pink Style]-Lid
M004	Plastic	Green	[#Green Style]-Lid
M005	Plastic	Purple	[#Purple Style]-Lid
M006	Plastic	Translucent	[#Pink Style]-Inner cap, stick;[#Green Style]-Inner cap, stick;[#Purple Style]-Inner cap, stick
M007	Plastic	Black	[#Pink Style]-Hair;[#Green Style]-Hair;[#Purple Style]-Hair
M008	Paper + coating	White + Multicolor	[#Pink Style]-Box;[#Green Style]-Box;[#Purple Style]-Box

**Test Report No.: 158308414a 001**

Page 4 of 18

**1. GPSR - General Product Safety Regulation**
**Result:**
**1. Physical and Mechanical Test**

Test No.	Material No.	Description	Test Method	Result
T001	M001	Requirement for sharp points	Reference to EN71 Part 1	PASS
		Requirement for sharp edges	Reference to EN71 Part 1	PASS
		Fragile material	Reference to EN71 Part 1	PASS*

**2. Flammability Test**

Test No.	Material No.	Description	Test Method	Result
T001	M001	General requirements	Reference to EN71 Part 2	PASS

**3. General Product Labeling**

Test No.	Material No.	Description	Result
T001	M001	Definite identification of the article	Present
		Products bear a type, batch or serial number or other element enabling the identification of the product	Present
		Manufacturer	
		Registered trade name or registered trademark	Present
		Postal address	Present
		Electronic address	Present
		Telephone number	Absent
		Importer	
		Registered trade name or registered trademark	Present
		Postal address	Present
		Electronic address	Absent
		Responsible trading company	
		Registered trade name or registered trademark	See Remark
		Postal address	See Remark
		Electronic address	See Remark

These labeling shall be indicated on the products, or where that is not possible, on its packaging or in documents accompanying the products.

**Test Report No.: 158308414a 001**

Page 5 of 18

**Remark:**

Manufacturers shall ensure that their product is accompanied by clear instructions and safety information in a language which can be easily understood by consumers, as determined by the Member State in which the product is made available on the market. That requirement shall not apply where the product can be used safely and as intended by the manufacturer without such instructions and safety information

Manufacturers shall make publicly available communication channels such as a telephone number, electronic address or dedicated section of their website, taking into account accessibility needs for persons with disabilities, enabling consumers to submit complaints and to inform manufacturers of any accident or safety issue they have experienced with a product.

The name, registered trade name or registered trade mark, and contact details, including the postal and electronic address, of the economic operator established in the Union who is responsible for the tasks set out in Article 4(3)

(a) name, registered trade name or registered trade mark of the manufacturer, as well as the postal and electronic address at which they can be contacted;

(b) where the manufacturer is not established in the Union, the name, postal and electronic address of the responsible person within the meaning of Article 16(1) of this Regulation or Article 4(1) of Regulation (EU) 2019/1020;

(c) information allowing the identification of the product, including a picture of it, its type and any other product identifier; and

(d) any warning or safety information to be affixed to the product or to the packaging or included in an accompanying document in accordance with this Regulation or the applicable Union harmonisation legislation in a language which can be easily understood by consumers, as determined by the Member State in which the product is made available on the market.

\* Check as received condition only

**Test Report No.: 158308414a 001**

Page 6 of 18

**2.Total Lead and Cadmium Content**

Test Method: Acid digestion, analyzed by ICP-OES

**Test result:**

Test No.	Material No.	Test Parameter	Unit	RL	Test Result
T001	M002 + M003 + M004	Lead	mg/kg	10	< RL
		Cadmium	mg/kg	10	< RL
T002	M005 + M006	Lead	mg/kg	10	< RL
		Cadmium	mg/kg	10	< RL
T003	M007	Lead	mg/kg	10	< RL
		Cadmium	mg/kg	10	< RL

**Abbreviation:** < = less than  
 RL = Reporting Limit  
 mg/kg = milligram per kilogram  
 1% = 10000 mg/kg

**Remark:**

- \* Requirements for Cadmium content according to Annex XVII Entry 23 of Regulation (EC) No 1907/2006 (REACH) and its amendments
- Mixtures and articles produced from plastic material < 0.01 % (100 mg/kg)
  - Coated / painted articles < 0.1 % (1000 mg/kg)
  - Jewellery components < 0.01 % (100 mg/kg)
  - Paints and varnishes (excluding the applicable exemptions) < 0.01 % (100 mg/kg)

Swiss requirements for cadmium content according to the Switzerland Chemikalien-Risikoreduktions-Verordnung- ChemRRV, 814.81

- Mixtures and articles produced from plastic material < 0.01 % (100 mg/kg)
- Articles / objects treated with paints / coating with cadmium is prohibited
- Paints and varnishes < 0.01 % (100 mg/kg)

- \*\* Requirements for Lead content according to Annex XVII Entry 63 of Regulation (EC) No. 1907/2006 (REACH) and its amendments:
- Jewellery, imitation jewellery, hair accessories, bracelets, necklaces, rings, piercing jewellery, wrist watches, wrist-wear, brooches and cufflinks and parts used for jewellery-making < 0.05%
  - Articles supplied to the general public during normal or reasonably foreseeable conditions of use, be placed in the mouth by children < 0.05%. The limit shall not apply where it can be demonstrated that the rate of lead release from such an article or any such accessible part of an article, whether coated or uncoated, does not exceed 0,05 µg/cm<sup>2</sup> per hour (equivalent to 0,05 µg/g/h), and, for coated articles, that the coating is sufficient to ensure that this release rate is not exceeded for a period of at least two years of normal or reasonably foreseeable conditions of use of the article.

**Test Report No.: 158308414a 001**

Page 7 of 18

**3.Total Lead**

Test Method: Acid digestion, analyzed by ICP-OES / AAS

**Test result:**

Test No.	Material No.	Test Parameter	Unit	RL	Customer's Requirement	Test Result
T001	M002 + M003 + M004	Lead Content	mg/kg	10	100	< RL
T002	M005 + M006	Lead Content	mg/kg	10	100	< RL
T003	M007	Lead Content	mg/kg	10	100	< RL

**Abbreviation:** < = less than  
RL = Reporting Limit  
mg/kg = milligram per kilogram

**Test Report No.: 158308414a 001**

Page 8 of 18

**4. Polycyclic aromatic hydrocarbons (PAHs)**

Test Method: Organic solvent extraction, GCMS

Test No.				T001	T002	T003
Material No.				M002	M003	M004
Test Parameter	CAS NO	Unit	RL	Result	Result	Result
Benzo[a]anthracene (BaA)	56-55-3	mg/kg	0.2	< RL	< RL	< RL
Benzo[a]pyrene (BaP)	50-32-8	mg/kg	0.2	< RL	< RL	< RL
Benzo[b]fluoranthene (BbFA)	205-99-2	mg/kg	0.2	< RL	< RL	< RL
Benzo[k]fluoranthene (BkFA)	207-08-9	mg/kg	0.2	< RL	< RL	< RL
Benzo[j]fluoranthene (BjFA)	205-82-3	mg/kg	0.2	< RL	< RL	< RL
Benzo[e]pyrene (BeP)	192-97-2	mg/kg	0.2	< RL	< RL	< RL
Chrysene (CHR)	218-01-9	mg/kg	0.2	< RL	< RL	< RL
Dibenzo[a,h]anthracene (DBAhA)	53-70-3	mg/kg	0.2	< RL	< RL	< RL

Test No.				T004	T005	T006
Material No.				M005	M006	M007
Test Parameter	CAS NO	Unit	RL	Result	Result	Result
Benzo[a]anthracene (BaA)	56-55-3	mg/kg	0.2	< RL	< RL	< RL
Benzo[a]pyrene (BaP)	50-32-8	mg/kg	0.2	< RL	< RL	< RL
Benzo[b]fluoranthene (BbFA)	205-99-2	mg/kg	0.2	< RL	< RL	< RL
Benzo[k]fluoranthene (BkFA)	207-08-9	mg/kg	0.2	< RL	< RL	< RL
Benzo[j]fluoranthene (BjFA)	205-82-3	mg/kg	0.2	< RL	< RL	< RL
Benzo[e]pyrene (BeP)	192-97-2	mg/kg	0.2	< RL	< RL	< RL
Chrysene (CHR)	218-01-9	mg/kg	0.2	< RL	< RL	< RL
Dibenzo[a,h]anthracene (DBAhA)	53-70-3	mg/kg	0.2	< RL	< RL	< RL

**Abbreviation:** < = less than  
 RL = Reporting Limit  
 NA = Not Applicable  
 mg/kg = milligram per kilogram



**Test Report No.: 158308414a 001**

Page 9 of 18

**Remark:**

- \* Requirement according to REACH regulation (EC) No. 1907/2006 with Amendment No. 552/2009 Annex XVII Item No. 50 and (EU) No.1272/2013, are summarized as below:

Scope	Parameter	Unit	Maximum permissible limit
Articles with 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, made of plastic and rubber shall follow below limit:			
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	Each of 8 listed PAHs	mg/kg	1
Toys, including activity toys, and childcare articles	Each of 8 listed PAHs	mg/kg	0.5

**Test Report No.: 158308414a 001**

Page 10 of 18

**5. Polycyclic aromatic hydrocarbons (PAHs) according to GS Specification - AfPS GS 2019:01 PAK**

Test Method: AfPS GS 2019:01 PAK

**Test Result:**

Test No.				T001	T002	T003
Material No.				M002	M003	M004
Test Parameter	CAS NO	Unit	RL	Result	Result	Result
Anthracene	120-12-7	mg/kg	0.2	< RL	< RL	< RL
Benzo[a]anthracene	56-55-3	mg/kg	0.2	< RL	< RL	< RL
Benzo[a]pyrene(BaP)	50-32-8	mg/kg	0.2	< RL	< RL	< RL
Benzo[b]fluoranthene	205-99-2	mg/kg	0.2	< RL	< RL	< RL
Benzo[k]fluoranthene	207-08-9	mg/kg	0.2	< RL	< RL	< RL
Benzo[j]fluoranthene	205-82-3	mg/kg	0.2	< RL	< RL	< RL
Benzo[g,h,i]perylene	191-24-2	mg/kg	0.2	< RL	< RL	< RL
Benzo[e]pyrene	192-97-2	mg/kg	0.2	< RL	< RL	< RL
Chrysene	218-01-9	mg/kg	0.2	< RL	< RL	< RL
Dibenzo[a,h]anthracene	53-70-3	mg/kg	0.2	< RL	< RL	< RL
Fluoranthene	206-44-0	mg/kg	0.2	< RL	< RL	< RL
Indeno[1,2,3-cd]pyrene	193-39-5	mg/kg	0.2	< RL	< RL	< RL
Naphthalene	91-20-3	mg/kg	0.2	< RL	< RL	< RL
Phenanthrene	85-01-8	mg/kg	0.2	< RL	< RL	< RL
Pyrene	129-00-0	mg/kg	0.2	< RL	< RL	< RL
Sum of, Anthracene, Fluoranthene, Phenanthrene, Pyrene	-	mg/kg	0.2	<RL	<RL	<RL
Sum of 15 PAHs	-	mg/kg	0.2	<RL	<RL	<RL
Category*	-	--	-	2a	2a	2a

**Test Report No.: 158308414a 001**

Page 11 of 18

Test No.				T004	T005	T006
Material No.				M005	M006	M007
Test Parameter	CAS NO	Unit	RL	Result	Result	Result
Anthracene	120-12-7	mg/kg	0.2	< RL	< RL	< RL
Benzo[a]anthracene	56-55-3	mg/kg	0.2	< RL	< RL	< RL
Benzo[a]pyrene(BaP)	50-32-8	mg/kg	0.2	< RL	< RL	< RL
Benzo[b]fluoranthene	205-99-2	mg/kg	0.2	< RL	< RL	< RL
Benzo[k]fluoranthene	207-08-9	mg/kg	0.2	< RL	< RL	< RL
Benzo[j]fluoranthene	205-82-3	mg/kg	0.2	< RL	< RL	< RL
Benzo[g,h,i]perylene	191-24-2	mg/kg	0.2	< RL	< RL	< RL
Benzo[e]pyrene	192-97-2	mg/kg	0.2	< RL	< RL	< RL
Chrysene	218-01-9	mg/kg	0.2	< RL	< RL	< RL
Dibenzo[a,h]anthracene	53-70-3	mg/kg	0.2	< RL	< RL	< RL
Fluoranthene	206-44-0	mg/kg	0.2	< RL	< RL	< RL
Indeno[1,2,3-cd]pyrene	193-39-5	mg/kg	0.2	< RL	< RL	< RL
Naphthalene	91-20-3	mg/kg	0.2	< RL	< RL	< RL
Phenanthrene	85-01-8	mg/kg	0.2	< RL	< RL	< RL
Pyrene	129-00-0	mg/kg	0.2	< RL	< RL	< RL
Sum of, Anthracene, Fluoranthene, Phenanthrene, Pyrene	-	mg/kg	0.2	<RL	<RL	<RL
Sum of 15 PAHs	-	mg/kg	0.2	<RL	<RL	<RL
Category*	-	--	-	2a	2a	2a

**Abbreviation:** < = less than  
 RL = Reporting Limit  
 NA = Not Applicable  
 mg/kg = milligram per kilogram

**Test Report No.: 158308414a 001**

Page 12 of 18

**Remark:**

- \* PAH maximum permissible limits requirement from the GS-Mark Approval published by the German Federal Institute for Occupational Safety and Health (BAuA)

Parameter	Unit	Category 1	Category 2		Category 3	
		Materials intended to be placed into the mouth, or Materials in toys or articles for children up to 3 years of age with intended long-term skin contact (more than 30 s)	Materials that do not fall into Category 1 with intended or foreseeable long-term skin contact (more than 30 s) or repeated short-term skin contact		Materials not covered by category 1 or 2, with foreseeable short term contact (shorter than 30 s)	
		-	Cat. 2a Use by children	Cat. 2b Other consumer products	Cat. 3a Use by children	Cat. 3b Other consumer products
Benzo[a]pyrene(BaP)	mg/kg	<0.2	<0.2	<0.5	<0.5	<1
Benzo[e]pyrene	mg/kg	<0.2	<0.2	<0.5	<0.5	<1
Benzo[a]anthracene	mg/kg	<0.2	<0.2	<0.5	<0.5	<1
Benzo[b]fluoranthene	mg/kg	<0.2	<0.2	<0.5	<0.5	<1
Benzo[j]fluoranthene	mg/kg	<0.2	<0.2	<0.5	<0.5	<1
Benzo[k]fluoranthene	mg/kg	<0.2	<0.2	<0.5	<0.5	<1
Chrysene	mg/kg	<0.2	<0.2	<0.5	<0.5	<1
Dibenzo[a,h]anthracene	mg/kg	<0.2	<0.2	<0.5	<0.5	<1
Benzo[g,h,i]perylene	mg/kg	<0.2	<0.2	<0.5	<0.5	<1
Indeno[1,2,3-cd]pyrene	mg/kg	<0.2	<0.2	<0.5	<0.5	<1
Naphthalene	mg/kg	<1	<2	<2	<10	<10
Sum of Anthracene Fluoranthene Phenanthrene Pyrene	mg/kg	<1	<5	<10	<20	<50
Sum of 15 PAHs	mg/kg	<1	<5	<10	<20	<50

Limit: Specific evaluation required according to type of foreseeable use.

The definition of "child" means persons before the age of 14 years. "Use by children" includes both active and passive direct contact by children.

- \*\* Single components with an amount of <0.2 mg/kg were not considered by the calculation of the sum. In the case of all 15 PAHs were not detected, the result is stated < RL

**Test Report No.: 158308414a 001**

Page 13 of 18

**6. Phthalates content**

Test Method: Ref. to CPSC-CH-C1001-09.4

**Test Result:**

Test No. Material No.				T001 M002 + M003 + M004	T002 M005 + M006	T003 M007
Test Parameter	CAS NO	Unit	RL	Result	Result	Result
Diethylhexyl phthalate (DEHP)	117-81-7	%	0.01	< RL	< RL	< RL
Dibutyl phthalate (DBP)	84-74-2	%	0.01	< RL	< RL	< RL
Benzylbutyl phthalate (BBP)	85-68-7	%	0.01	< RL	< RL	< RL
Diisobutyl phthalate (DIBP)	84-69-5	%	0.01	< RL	< RL	< RL
Sum (DEHP+DBP+BBP+DIBP)	-	%	0.01	<RL	<RL	<RL
Diisononyl phthalate (DINP)	28553-12-0, 68515-48-0	%	0.01	< RL	< RL	< RL
Diisodecyl phthalate (DIDP)	26761-40-0, 68515-49-1	%	0.01	< RL	< RL	< RL
Di-n-octyl phthalate (DNOP)	117-84-0	%	0.01	< RL	< RL	< RL
Sum (DINP+ DIDP+ DNOP)	--	%	0.01	<RL	<RL	<RL
Di-n-pentyl phthalate (DnPP)	131-18-0	%	0.01	< RL	< RL	< RL
Di-n-hexyl phthalate (DnHP)	84-75-3	%	0.01	< RL	< RL	< RL
Dicyclohexyl phthalate (DCHP)	84-61-7	%	0.01	< RL	< RL	< RL
Diisopentyl phthalate (DiPP)	605-50-5	%	0.01	< RL	< RL	< RL
n-Pentyl-isopentyl phthalate	776297-69-9	%	0.01	< RL	< RL	< RL
Di(methoxyethyl) phthalate (DMEP)	117-82-8	%	0.01	< RL	< RL	< RL
1,2-Benzenedicarboxylic acid, di-C6-8- branched alkyl esters, C7-rich (DIHP)	71888-89-6	%	0.01	< RL	< RL	< RL
1,2-Benzenedicarboxylic acid, di-C7-11- branched and linear alkyl esters (DHNUP)	68515-42-4	%	0.01	< RL	< RL	< RL
1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	%	0.01	< RL	< RL	< RL
1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	%	0.01	< RL	< RL	< RL
1,2-benzenedicarboxylic acid, di-C6-10- alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with ≥ 0.3% of dihexyl phthalate (CAS No.: 84-75-3)	68515-51-5 68648-93-1	%	0.01	< RL	< RL	< RL
Conclusion: Customer's requirement				Pass	Pass	Pass

**Test Report No.: 158308414a 001**

Page 14 of 18

		Test No.		T004
		Material No.		M008
Test Parameter	CAS NO	Unit	RL	Result
Diethylhexyl phthalate (DEHP)	117-81-7	%	0.01	< RL
Dibutyl phthalate (DBP)	84-74-2	%	0.01	< RL
Benzylbutyl phthalate (BBP)	85-68-7	%	0.01	< RL
Diisobutyl phthalate (DIBP)	84-69-5	%	0.01	< RL
Sum (DEHP+DBP+BBP+DIBP)	-	%	0.01	<RL
Diisononyl phthalate (DINP)	28553-12-0, 68515-48-0	%	0.01	< RL
Diisodecyl phthalate (DIDP)	26761-40-0, 68515-49-1	%	0.01	< RL
Di-n-octyl phthalate (DNOP)	117-84-0	%	0.01	< RL
Sum (DINP+ DIDP+ DNOP)	--	%	0.01	<RL
Di-n-pentyl phthalate (DnPP)	131-18-0	%	0.01	< RL
Di-n-hexyl phthalate (DnHP)	84-75-3	%	0.01	< RL
Dicyclohexyl phthalate (DCHP)	84-61-7	%	0.01	< RL
Diisopentyl phthalate (DiPP)	605-50-5	%	0.01	< RL
n-Pentyl-isopentyl phthalate	776297-69-9	%	0.01	< RL
Di(methoxyethyl) phthalate (DMEP)	117-82-8	%	0.01	< RL
1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)	71888-89-6	%	0.01	< RL
1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP)	68515-42-4	%	0.01	< RL
1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	%	0.01	< RL
1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	%	0.01	< RL
1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with ≥ 0.3% of dihexyl phthalate (CAS No.: 84-75-3)	68515-51-5 68648-93-1	%	0.01	< RL
Conclusion: Customer's requirement				Pass

**Abbreviation:** < = less than  
 RL = Reporting Limit  
 % = percentage

**Test Report No.: 158308414a 001**

Page 15 of 18

**Remark:**

- According to customer instruction, the maximum permissible limits of phthalates are as follows:

Parameter	Unit	Maximum Permissible Limit
Sum of Dibutyl phthalate (DBP), Benzylbutyl phthalate (BBP), Diethylhexyl phthalate (DEHP) and Diisobutyl phthalate (DIBP)	%	0.1
Sum of Di-n-octyl phthalate (DNOP), Diisodecyl phthalate (DIDP) and Diisononyl phthalate (DINP)	%	0.1
Di-n-pentyl phthalate (DnPP)	%	0.1
Di-n-hexyl phthalate (DnHP)	%	0.1
Dicyclohexyl phthalate (DCHP)	%	0.1
Diisopentyl phthalate (DiPP)	%	0.1
n-Pentyl-isopentyl phthalate	%	0.1
Di(methoxyethyl) phthalate (DMEP)	%	0.1
1,2-benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)	%	0.1
1,2-Benzenedicarboxylic acid, di-C7-11 branched and linear alkyl ester (DHNUP)	%	0.1
1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	%	0.1
1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	%	0.1
1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with $\geq 0.3\%$ of dihexyl phthalate	%	0.1

- Single component with an amount below reporting limit was not considered by the calculation of the sum.

**Test Report No.: 158308414a 001**

Page 16 of 18

**7.Short Chain Chlorinated Paraffin (C10-C13) (SCCP) and Medium Chain Chlorinated Paraffins (C14 - C17) (MCCP)**

Test Method: ref. to EN ISO 18219-1:2021/ ISO 18219-2:2021

**Test result:**

Test No.	Material No.	Test Parameter	Unit	RL	Result
T001	M007	SCCP	%	0.01	< RL
		MCCP	%	0.01	< RL

**Abbreviation:** < = less than

RL = Report Limit

SCCP = Short Chain Chlorinated Paraffin (C<sub>10</sub>-C<sub>13</sub>)MCCP = Medium Chain Chlorinated Paraffins (C<sub>14</sub> - C<sub>17</sub>)

% = percentage

**Remark:**

\* According to Regulation (EU) 2019/1021 as regards Annex I:

Alkanes C <sub>10</sub> -C <sub>13</sub> , chloro (short-chain chlorinated paraffins) (SCCPs)	Maximum Permissible Limit
The production , placing on the market and use of articles containing SCCPs	< 0.15% by weight
The production , placing on the market and use of substances or preparations containing SCCPs	< 1% by weight

\*1 According to customer's instruction, the maximum permissible limit of Medium Chain Chlorinated Paraffin (MCCP) shall not contain more than 0.1% .



**Test Report No.: 158308414a 001**

Page 17 of 18

**8.Packaging Waste Total Heavy Metal Content - 94/62/EC**

Test Method: Sample digestion, analyzed by ICP-OES / Ultraviolet Visible Spectrophotometer (UV-Vis)

**Result:**

Test No.	Material No.	Test Parameters	Unit	RL	Regulatory Requirement	Result	Conclusion
T001	M008	Pb	mg/kg	10	-	< RL	-
		Cd	mg/kg	10	-	< RL	-
		Cr (VI)	mg/kg	10	-	< RL	-
		Hg	mg/kg	10	-	< RL	-
		Sum of Pb, Cd, Cr(VI) and Hg	mg/kg	10	100	<RL	Pass

**Abbreviation:** < = less than  
 RL = Reporting Limit  
 mg/kg = milligram per kilogram

**Remark:**

\*\* According to "European Parliament and Council Directive 94/62/EC of 20 December 1994"; the maximum permissible limit of the sum of the concentration of Lead, Cadmium, Mercury and Hexavalent Chromium is 100ppm.

\*\*\* Single element with an amount of less than reporting limit were not considered by the calculation of the sum. In the case of all elements were less than reporting limit, the result is stated < RL.

Sample Photos



- END -

