



Test Report

Report No.: THSD25042569771EN

Job No.: 69771

Date: April 30, 2025

The following information was/were submitted and identified by/on behalf of the client:

Applicant : Shandong Changxing Plastic Additives Co., Ltd.
Address : No. 5, Chenyang Road, New Materials Park, Yunhe Economic Development Zone,
Rencheng District, Jining City, Shandong Province
Sample Name : Dioctyl terephthalate
Sample Model : EcoRecy-10
Sample Receive Date : Apr. 27, 2025
Sample Testing Period : Apr. 27, 2025-Apr. 29, 2025
Test Result Summary :

As requested by the applicant, for details refer to attached page(s).

TEST ITEM(S)	TEST REQUESTED	RESULT(S)
Polycyclic Aromatic Hydrocarbons (PAHs)	Testing and assessment of Polycyclic Aromatic Hydrocarbons (PAHs) in the awarding of GS mark published by Product Safety Commission (AfPS) (issued on 10. April 2020)	PASS

For and on behalf of
Shanghai Global Testing Services Co., Ltd.

Authorized Signature  

Shi Lei/Kevin
General Manager - GTS/SHO

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This report is only responsible for the tested sample(s) from the client, the testing result(s) is used for scientific research, teaching or internal quality control. Without the writing agreement of the company, the client is not allowed to copy the report in part(entire copy is excepted).

Shanghai Global Testing Services Co., Ltd.

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Test Sample Description:

Material No.	Material Description
<u>01</u>	Yellow liquid

Test Result(s):

Polycyclic Aromatic Hydrocarbons content

Test method: With reference to AfPS GS 2019:01 PAK, Solvent extraction and determined by GC-MS.

<u>Item No.</u>	<u>Test Item</u>	<u>CAS No.</u>	<u>Unit</u>	<u>MDL</u>	<u>Limit</u>	<u>Result(s)</u>
						<u>01</u>
1	Benzo(a)Pyrene	50-32-8	mg/kg	0.2	1	N.D.
2	Benzo(e)Pyrene	192-97-2	mg/kg	0.2	1	N.D.
3	Benzo(a)Anthracene	56-55-3	mg/kg	0.2	1	N.D.
4	Benzo(b)Fluoranthene	205-99-2	mg/kg	0.2	1	N.D.
5	Benzo(j)Fluoranthene	205-82-3	mg/kg	0.2	1	N.D.
6	Benzo(k)Fluoranthene	207-08-9	mg/kg	0.2	1	N.D.
7	Chrysene	218-01-9	mg/kg	0.2	1	N.D.
8	Dibenzo(a,h)Anthracene	53-70-3	mg/kg	0.2	1	N.D.
9	Benzo(g,h,i)Perylene	191-24-2	mg/kg	0.2	1	N.D.
10	Indeno(1,2,3-cd)Pyrene	193-39-5	mg/kg	0.2	1	N.D.
11	Phenanthrene	85-01-8	mg/kg	0.2	--	N.D.
12	Pyrene	129-00-0	mg/kg	0.2	--	N.D.
13	Anthracene	120-12-7	mg/kg	0.2	--	N.D.
14	Fluoranthene	206-44-0	mg/kg	0.2	--	N.D.
15	Naphthalene	91-20-3	mg/kg	0.2	10	N.D.
Sum of Phenanthrene, Pyrene, Anthracene, Fluoranthene		--	mg/kg	--	50	N.D.
Sum of above PAHs		--	mg/kg	--	50	N.D.
Product Category		--	--	--	--	3*
<u>Conclusion(s)</u>						PASS

- Note:**
1. MDL = Method Detection Limit;
 2. N.D. = Not Detected (<MDL);
 3. "*" = As the information provided by client, the category of the tested part(s) is the product used by other consumer products.

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Product Safety Commission (AfPS): Limits for PAHs

Parameter	Category 1	Category 2		Category 3	
	Materials intended to be placed in the mouth, or materials in toys according to Directive 2009/48/EC or materials in articles for the use by children up to 3 years of age coming into long- term contact with skin (more than 30s) during the intended use ^a	Materials not covered by category 1, coming into long- term contact (more than 30s) or short- term repetitive contact ^b with skin during the intended or foreseeable use		Materials not covered by category 1 nor by category 2, coming into short- term contact (up to 30s) with skin during the intended or foreseeable use	
		a. use by children ^{c,d}	b. other consumer products	a. use by children	b. other consumer products
Unit:mg/kg					
Benzo(a)pyrene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo(e)pyrene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo(a)anthracene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo(b)fluoranthene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo(j)fluoranthene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo(k)fluoranthene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Chrysene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Dibenzeno(a,h)anthracene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo(g,h,i)perylene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Indeno(1,2,3-cd)pyrene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Phenanthrene, Pyrene, Anthracene, Fluoranthene	<1 sum	<5 sum	<10 sum	<20 sum	<50 sum
Naphthalene	< 1	< 2		< 10	
Sum 15 PAHs	< 1	< 5	< 10	< 20	< 50

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a According to the definition of the Product Safety Act (ProdSG) (Chapter 1 Article 2 No. 28) "foreseeable use" shall

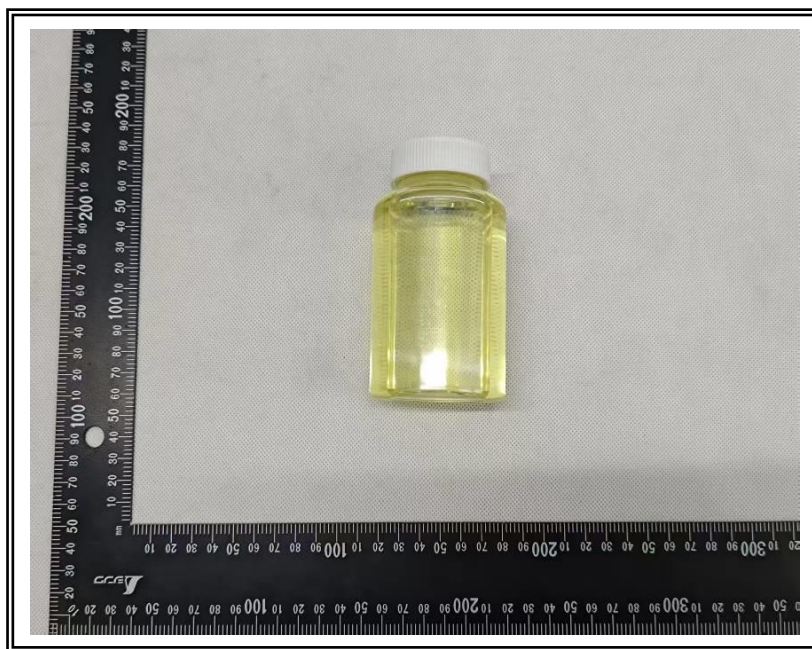
mean the use of a product in a manner that the person placing it on the market, has not intended, but which could be reasonably foreseeable.

b Definition "short-term repetitive contact" taken from REACH Annex XVII entry 50 amendment (Regulation (EC) No. 1272/2013)

c A "child" is legally defined as a person before reaching the age of 14 years.

d Use by children includes both active and passive direct contact by children.

Sample Photo(s):



*****End of Report*****