



中国认可
检测
TESTING
CNAS L0599

Test Report

No.: SHAHL24015897201

Date: Jul 25, 2024

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Client Name: SHANDONG LANHUA CHEMICAL INDUSTRY CO., LTD.

Client Address: NO. 6, ZHUHAI ROAD, HUSHAN TOWN, LANSHAN DISTRICT, RIZHAO CITY, SHANDONG PROVINCE

Sample Description: GENERAL PURPOSE POLYSTYRENE GPPS

Model No.: GPPS525、GPPS525N、GPPS535、GPPS545NT、GPPS383H、GPPS1841

Manufacturer: SHANDONG LANHUA CHEMICAL INDUSTRY CO., LTD.

Manufacturer address: NO. 6, ZHUHAI ROAD, HUSHAN TOWN, LANSHAN DISTRICT, RIZHAO CITY, SHANDONG PROVINCE

Product Specification: 6*6

Product Lot No.: 20240609

Manufacturing Date: 2024 YEAR 06 MONTH 09 DAY

The above sample(s) and information were provided by the client.

SGS No.: SHHL2407038833CW

Sample Receiving Date: Jul 16, 2024

Testing Period: Jul 16, 2024 ~ Jul 25, 2024

Test Requested: Select test(s) as requested by the client.

Testing Performed: Follow selected test(s) as requested by client.

Signed for and on behalf of
SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.

Lucia Liu 刘瑾

Approved Signatory

Scan to see the report



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Verification:
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	Test Requirement	Comment
1	GB 4806.7-2023 - Sensory(Appearance: Normal color,no smell,no impurity)	Pass
2	GB 4806.7-2023 - Sensory(Marinate: No turbidity,no precipitate,no smell,or other sensory deterioration)	Pass
3	GB 4806.7-2023 - Overall Migration	Pass
4	GB 4806.7-2023 - Consumption of Potassium Permanganate	Pass
5	GB 4806.7-2023 - Heavy metal (as Pb)	Pass
6	GB 4806.7-2023 - Specific migration of primary aromatic amine	Pass



SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.
Testing Center-Chemical Laboratory

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Test Result(s):

Test Part Description:

SN ID	Sample No.	SGS Sample ID	Description	Material (claimed by the client)
SN1	A1	SHA24-0158972-0001.C001	Transparent plastic sheet	PS

Remarks:

- (1) mg/dm² = milligram per square decimeter
 mg/inch² = milligram per square inches
 µg/cm² = microgram per square centimeter
 mg/L = milligram per litre
 mg/kg = milligram per kilogram
- (2) °C = degree Celsius
 °F = degree Fahrenheit
- (3) <= less than
- (4) RL = Reporting Limit
- (5) ND = Not Detected (< RL).

The ratio of surface area to volume

Sample No	Overall Migration	Specific Migration
A1	6.0 dm ² /kg	6.0 dm ² /kg

GB 4806.7-2023 - Overall Migration

Test Method: GB 31604.8-2021.

Simulant used	No of Migration	Test Condition	Limit	Unit(s)	RL	A1	Comment
4% Acetic Acid(V/V)	1 st	70°C, 2 hrs	10	mg/dm ²	3.0	ND	Pass
50% Ethanol(V/V)	1 st	70°C, 2 hrs	10	mg/dm ²	3.0	ND	Pass
95% Ethanol	1 st	60°C, 2 hrs	10	mg/dm ²	3.0	ND	Pass
Isooctane	1 st	40°C, 0.5 hr	10	mg/dm ²	3.0	ND	Pass

Notes:

- (1) Test condition & simulant were specified by client.

GB 4806.7-2023 - Consumption of Potassium Permanganate

Test Method: GB 31604.2-2016.

Simulant used	No of Migration	Test Condition	Limit	Unit(s)	RL	A1	Comment
DI water	1 st	60°C, 2 hrs	10	mg/kg	1	ND	Pass



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GB 4806.7-2023 - Heavy metal (as Pb)

Test Method: GB 31604.9-2016 method I.

Simulant used	No of Migration	Test Condition	Limit	Unit(s)	A1	Comment
4% Acetic Acid(V/V)	1 st	60°C, 2 hrs	1	mg/kg	<1	Pass

GB 4806.7-2023 - Specific migration of primary aromatic amine

Test Method: GB 31604.52-2021.

Simulant	Test Condition
	A1
4% Acetic Acid(V/V)	70°C, 2 hrs

Test Item(s)	CAS No.	Limit	Unit(s)	RL	A1
4% Acetic Acid(V/V)					
Migration times					First
1,4-Phenylenediamine	106-50-3	-	mg/kg	0.003	ND
1,3-Phenylenediamine	108-45-2	-	mg/kg	0.003	ND
2,4-Toluenediamine (2,4-TDA)	95-80-7	-	mg/kg	0.003	ND
4,4'-Diaminodiphenyl ether	101-80-4	-	mg/kg	0.003	ND
Benzidine	92-87-5	-	mg/kg	0.003	ND
4,4'-Methylenedianiline	101-77-9	-	mg/kg	0.003	ND
Aniline	62-53-3	-	mg/kg	0.003	ND
o-Anisidine	90-04-0	-	mg/kg	0.003	ND
o-Toluidine	95-53-4	-	mg/kg	0.003	ND
4,4'-Methylenedi-o-toluidine	838-88-0	-	mg/kg	0.003	ND
3,3'-Dimethoxybenzidine	119-90-4	-	mg/kg	0.003	ND
3,3'-Dimethylbenzidine	119-93-7	-	mg/kg	0.003	ND
2,6-Dimethylaniline (2,6-DMA)	87-62-7	-	mg/kg	0.003	ND
2,4'-Diaminodiphenylmethane	1208-52-2	-	mg/kg	0.003	ND
4-Methoxy-m-phenylenediamine	615-05-4	-	mg/kg	0.003	ND
2-Methoxy-5-methylaniline	120-71-8	-	mg/kg	0.003	ND
2,4,5-Trimethylaniline	137-17-7	-	mg/kg	0.003	ND
4,4'-Thiodianiline	139-65-1	-	mg/kg	0.003	ND
4-Chloroaniline	106-47-8	-	mg/kg	0.003	ND
2,4-Dimethylaniline (2,4-DMA)	95-68-1	-	mg/kg	0.003	ND
2-Naphthylamine	91-59-8	-	mg/kg	0.003	ND
2,2'-Diaminodiphenylmethane	6582-52-1	-	mg/kg	0.003	ND
4-Aminobiphenyl	92-67-1	-	mg/kg	0.003	ND
4-Chloro-o-toluidine	95-69-2	-	mg/kg	0.003	ND
2-Amino-4-nitrotoluene	99-55-8	-	mg/kg	0.003	ND
3,3'-Dichlorobenzidine	91-94-1	-	mg/kg	0.003	ND
4-Amino azobenzene	60-09-3	-	mg/kg	0.003	ND



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Test Item(s)	CAS No.	Limit	Unit(s)	RL	A1
4,4'-Methylene-bis-(2-chloro-aniline)	101-14-4	-	mg/kg	0.003	ND
o-Aminoazotoluene	97-56-3	-	mg/kg	0.003	ND
Total	-	ND	mg/kg	0.01	ND
Comment					Pass

Notes:

(1) Test condition & simulant were specified by client.

Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (w=0) stated in ILAC-G8:09/2019.



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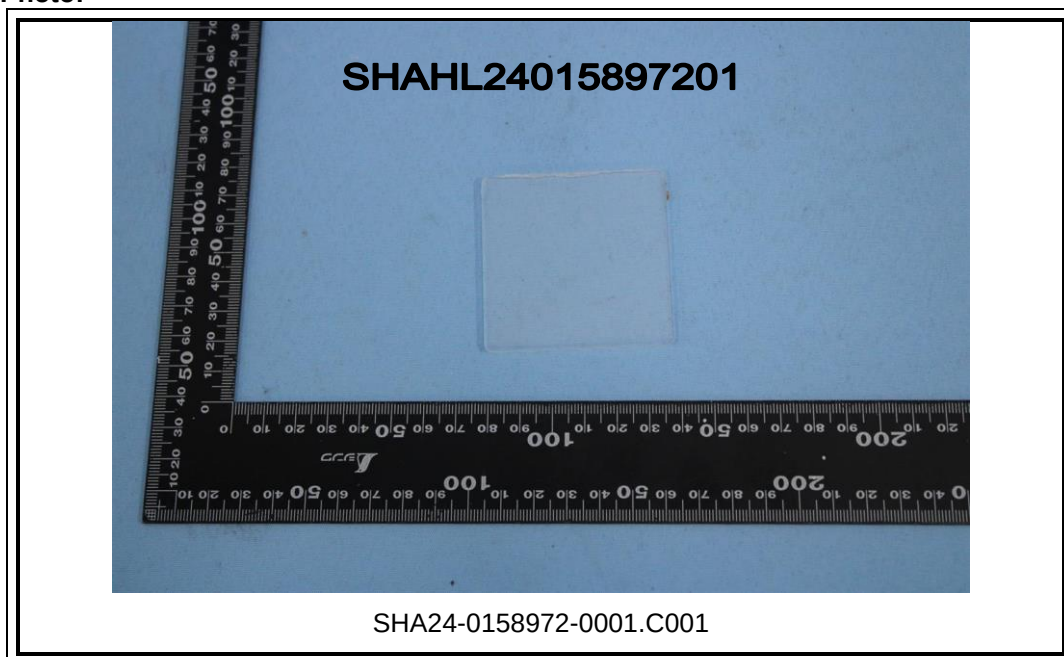
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