

## Test Report

No.: CANEC24017336001

Date: Aug 13, 2024

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Client Name: SHANGHAI SMART NEW MATERIALS CO., LTD

Client Address: 19B, NO. 985 DONGFANG ROAD, PUDONG DISTRICT, SHANGHAI

Sample Name: Post Consumer Recycled HDPE

Model No.: SMR2102NC

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

SGS Job No.: SZP24-035153

Sample Receiving Date: Aug 07, 2024

Testing Period: Aug 07, 2024 ~ Aug 13, 2024

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

Test Method(s): Please refer to next page(s).

Test Result(s): Please refer to next page(s).

	Test Requirement	Conclusion
1	US FDA 21 CFR 177.1520 - Extractable fraction	Pass
2	US FDA 21 CFR 177.1520 - Soluble fraction in Xylene	Pass

Signed for and on behalf of  
SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch

**Lizhe Zhai**

Lizhe Zhai  
Approved Signatory

scan to see the report



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SGS-CSTC Standards Technical Services Co., Ltd.  
Guangzhou Branch

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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	CAN24-0173360-0001.C001	Natural plastic grains	HDPE

**Remarks:**

- (1) mg/dm<sup>2</sup> = milligram per square decimeter  
 mg/inch<sup>2</sup> = milligram per square inches  
 µg/cm<sup>2</sup> = 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).

**US FDA 21 CFR 177.1520 - Extractable fraction**

**Test Method:** With reference to US FDA 21 CFR 177.1520(d)(3)(ii).

Simulant used	Test Condition	Limit	Unit(s)	RL	A1	Comment
n-Hexane	50°C, 2 hrs	5.5	%(w/w)	0.5	ND	Pass

**US FDA 21 CFR 177.1520 - Soluble fraction in Xylene**

**Test Method:** With reference to US FDA 21 CFR 177.1520(d)(4)(ii).

Test Item(s)	Limit	Unit(s)	RL	A1
Soluble Fraction in Xylene	11.3	%(w/w)	0.5	2.5
<b>Comment</b>	<b>Pass</b>			

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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Sample Photo:



SGS authenticate the photo on original report only  
\*\*\* End of Report \*\*\*



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Guangzhou Branch Technical Laboratory

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