

TEST REPORT

Report No. MAN:HL:1548002148

ISSUE DATE: 30-Mar-2024



GOOD 2 GO GLOBAL LLP

B-419, TOWER B, EMAAR DIGITAL GREENS,
SECTOR 61, GURGAON, HARYANA - 122102
INDIA

CONTACT PERSON: VARUN SHARMA

THE FOLLOWING SAMPLE(S) WAS/WERE SUBMITTED AND IDENTIFIED BY/ON BEHALF OF THE CUSTOMER AS :

SAMPLE DESCRIPTION BIO COMPOSTABLE DEGRADABLE PRODUCTS

LAB PROVIDED DETAILS:

CONDITION OF SAMPLE COMPLETE AND OK

THE LOCATION OF PERFORMANCE OF THE LABORATORY ACTIVITIES:

SGS GURUGRAM LABORATORY- DENSITY, MAXIMUM EXTRACTABLE FRACTION, MAXIMUM SOLUBLE FRACTION

SGS MANESAR LABORATORY- MELTING POINT

SAMPLE RECD ON 16-Mar-2024

TESTING PERIOD : 18-Mar-2024 - 30-Mar-2024

SUMMARY OF TEST RESULTS:

TESTS	PASS	FAIL	REMARKS
1. US FDA 21 CFR 177.1520 (POLYPROPYLENE HOMOPOLYMER)	--		
a) DENSITY	P		
b) MAXIMUM EXTRACTABLE FRACTION	P		
c) MAXIMUM SOLUBLE FRACTION	P		
2. MELTING POINT			SEE RESULT

Remarks: P=Pass

F=Fail

TEST(S) RESULT & METHOD: PLEASE REFER TO NEXT PAGE(S). RESULTS APPLY TO THE SAMPLE AS RECEIVED

Per Pro SGS India Pvt. Ltd.



SANDIP BHUSHAN

TECHNICAL MANAGER

Authorized Signatory-Mechanical

Email your Test Report Related Enquiries at Feedback.HLT@sgs.com

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NON ACCREDITED TEST(S)

TEST RESULTS:

1. US FDA 21 CFR 177.1520 (POLYPROPYLENE HOMOPOLYMER):-

a) DENSITY:

Method: In house Test Method (SO-IN-C&P – TE-144) Based on U.S 21 CFR Food and drugs administration 177.1520 d(1).

Test Item	Result (g/mL)	Permissible Limit (g/mL)
Density at 23°C	0.86	0.880-0.913
Conclusion	Pass	--

b) MAXIMUM EXTRACTABLE FRACTION:

Method: In house Test Method (SO-IN-C&P – TE-144) Based on U.S 21 CFR Food and drugs administration 177.1520. Sample preparation in n-hexane at reflux temperature for 2 hours.

Test Item	Result (% w/w)	Reporting Limit (% w/w)	Permissible Limit (% w/w)
Maximum Extractable fraction	0.25	0.1	6.4
Conclusion	Pass	--	--

c) MAXIMUM SOLUBLE FRACTION:

Method: In house Test Method (SO-IN-C&P – TE-144) Based on U.S 21 CFR Food and drugs administration 177.1520. Sample preparation in xylene at 25°C.

Test Item	Result (% w/w)	Reporting Limit (% w/w)	Permissible Limit (% w/w)
Maximum Soluble fraction	8.6	0.1	9.8
Conclusion	Pass	--	--

Tested Item: BIO COMPOSTABLE DEGRADABLE PRODUCTS

Note:

- % w/w = percentage of weight by weight.
- g/mL = gram/milliliter
- Test has been sub-contracted to ISO/IEC 17025 accredited laboratory.

2. MELTING POINT:

Method: ASTM D 3418:2021

Test Name	Test Result (°C)	Permissible Limit
Melting Point	125.3	/

Tested Item: BIO COMPOSTABLE DEGRADABLE PRODUCTS

Note:

- °C = degree Celsius
- Permissible limit has been taken from US FDA 21 CFR 177.1520.
- Testing has been performed as per customer request.

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Sample as Received



*****END OF REPORT*****