



TC-5298



TUV INDIA PRIVATE LIMITED

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Test Report

Report No : TUV(I)/11935/23-24/0102306524 P-II

ULR-TC529823000031099F

Date : 10 Nov 2023

Name and address of customer :

BAGLA POLIFILMS LIMITED
SURVEY NO. 380, WESTERN PART, VILLAGE BHADRESHWAR,
TEHSIL MUNDRA, Kachchh, Gujarat,,
Mundra
Pin Code: 370410

Name of the sample :

POF SHRINK FILM

Reg No. :

11935/23-24

CA No. :

0102306524

Batch No./ Code no. :

-

Discipline :

Chemical

Product Category :

Plastic & Resins

Date of sample receipt :

21 Oct 2023

Date(s) of analysis :

27 Oct 2023 - 10 Nov 2023

Objectives Of Examination :

1) To test for compliance with Commission Regulation (EU) No 10-2011 of 14th Jan 2011, EU 1282/2011, EU 1183/2012, EU 1416/2016, EU 752/2017, EU 213/2018, EU 831/2018 & EU 1245/2020 on Plastic Materials and Articles Intended to Come in Contact With Food and hence Article 3 of European Regulation No. 1935/2004

Sample drawn by :

Customer

Result Summary :

Test Requested	Conclusion
1. Testing as per Commission Regulation (EU) No 10-2011 of 14th Jan 2011, EU 1282/2011, EU 1183/2012, EU 1416/2016, EU 752/2017, EU 213/2018, EU 831/2018 & EU 1245/2020 on Plastic Materials and Articles Intended to Come in Contact With Food and hence Article 3 of European Regulation No. 1935/2004	Overall Conclusion-PASS
A) Overall Migration	PASS
B) Specific Migration of Heavy Metals	PASS

Refer further pages for Test Result

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Accredited Tests

A) Overall Migration

Sr. No.	Name of Test	Result	Unit	LOQ	Limits as per Standard	Test Method
1	Overall Migration with 10% Ethanol at 70°C for 2 Hrs.	< LOQ	mg/dm ²	5	10	TUV/03/SOP/043, Based on BS EN 1186 P(3) 2002
2	Overall Migration with 3% Acetic Acid at 70°C for 2 Hrs.	< LOQ	mg/dm ²	5	10	TUV/03/SOP/043, Based on BS EN 1186 P(3) 2002
3	A) Overall Migration with Iso octane (Rectified Olive Oil Substitute) at 40°C for 30 min.	< LOQ	mg/dm ²	5	10	TUV/03/SOP/043, Based on BS EN 1186 P(14) 2002
	B) Overall Migration with 95% Ethanol (Rectified Olive Oil Substitute) at 60°C for 2 Hrs.	< LOQ	mg/dm ²	5	10	

Note : 1) The sample conforms with EU-10/2011 for above mentioned test parameters.

B) Specific Migration of Heavy Metals.

Sr. No.	Name of Test	Result	Unit	Detection Limit	Limits as per Standard	Test Method
1	Barium	< LOD	mg/kg	0.1	1.00	TUV/03/SOP/122, Based on BS EN 13130-1:2004
2	Cobalt	< LOD	mg/kg	0.005	0.05	
3	Copper	< LOD	mg/kg	0.005	5.00	
4	Iron	< LOD	mg/kg	0.1	48.0	
5	Lithium	< LOD	mg/kg	0.1	0.60	
6	Manganese	< LOD	mg/kg	0.1	0.60	
7	Zinc	< LOD	mg/kg	0.005	5.0	
8	Aluminium	< LOD	mg/kg	0.1	1.0	
9	Nickel	< LOD	mg/kg	0.005	0.02	
10	Antimony	< LOD	mg/kg	0.005	0.04	
11	Arsenic	< LOD	mg/kg	0.005	ND	
12	Cadmium	< LOD	mg/kg	0.002	ND	
13	Calcium	< LOD	mg/kg	0.1	#	
14	Chromium	< LOD	mg/kg	0.005	ND	
15	Lead	< LOD	mg/kg	0.005	ND	
16	Magnesium	< LOD	mg/kg	0.1	#	
17	Mercury	< LOD	mg/kg	0.005	ND	
18	Potassium	< LOD	mg/kg	0.1	#	
19	Sodium	< LOD	mg/kg	0.1	#	
20	Europium	< LOD	mg/kg	0.005	0.05	
21	Gadolinium	< LOD	mg/kg	0.005		
22	Lanthanum	< LOD	mg/kg	0.005		
23	Terbium	< LOD	mg/kg	0.005		

Note : 1) The sample conforms with EU-10/2011 for above mentioned test parameters.

2) Sample kept in contact with 3% Acetic Acid at 70°C for 2 Hrs.

3) LOQ- Limit of Quantification, LOD- Limit of Detection

4) The sum of all lanthanide substances migrating to the food or food simulant does not exceed the specific migration limit of 0.05 mg/kg.



R-7

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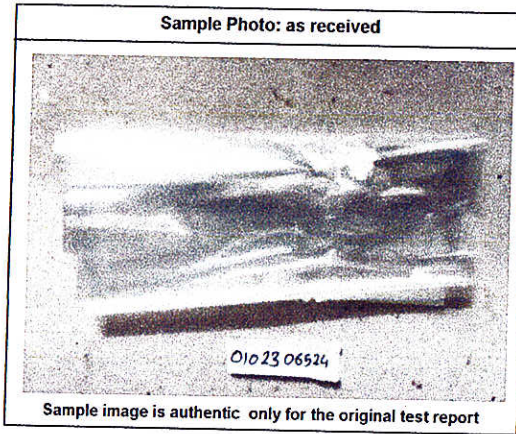
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Atul Kumar Rajage
 Authorized by
 Atulkumar Rajage
 Manager – Instrumentation Department

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- End of Report -