

TEST REPORT

Report No. : PN:HL:4490005770

DATE : 27/11/2013

AVIGLOBAL PLAST PRIVATE LIMITED

SURVEY NO. : 266/4, 5, 6; 269/4; 268/1, COASTAL HIGHWAY, VILLAGE DUNETHA,
DAMAN-396210

INDIA

CONTACT PERSON : Mr. PRASHANT MALAWE

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

SAMPLE DESCRIPTION	PET RIGID FILM G-PET
COLOUR	PGM902NY100S001
REFERENCE NO.	G-PET SHEETS
SAMPLE RECD ON	15/11/2013 TESTING PERIOD : 15/11/2013 to 27/11/2013
TEST(S) REQUESTED	OVER ALL MIGRATION (SIMULANT A, B, C1, C2, & D) COLOR MIGRATION HEAVY METALS IN COLORANTS TOTAL AROMATIC AMINES HEAVY METALS & METAL COMPOUNDS (RESIDUAL CATALYST)

TEST RESULTS

1. Simulants "A, B, C1, C2 & D"

SIMULANT USED	TEST METHOD	RESULTS (mg/dm ²)	MAXIMUM PERMISSIBLE LIMIT (mg/dm ²)
Overall Migration – "Simulant A" (at 40°C for 10 days)	IS 9845	<2.0	10
Overall Migration – "Simulant B" (at 40°C for 10 days)	IS 9845	<2.0	10
Overall Migration – "Simulant C1" (at 40°C for 10 days)	IS 9845	<2.0	10
Overall Migration – "Simulant C2" (at 40°C for 10 days)	IS 9845	<2.0	10
Overall Migration – "Simulant D" (at 40°C for 10 days)	IS 9845	<2.0	10

Conclusion: Comply with limits set for above Simulants by IS 9845

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2. Color Migration:

TEST NAME	TEST METHOD	RESULTS
Color Migration	AP 89/BFR	Negative (No color observed)

3. Heavy Metals in colorants : (N/10 HCL Solution)

HEAVY METAL	TEST METHOD	RESULTS In % by mass	ACCEPTANCE CRITERIA (% by Mass)
Lead	IS 9833	<0.0005	0.01
Arsenic	IS 9833	<0.0005	0.005
Mercury	IS 9833	<0.0005	0.005
Cadmium	IS 9833	<0.0005	0.010
Zinc	IS 9833	<0.0005	0.05
Selenium	IS 9833	<0.0005	0.01
Barium	IS 9833	<0.0005	0.01
Chromium	IS 9833	<0.0005	0.025
Antimony	IS 9833	<0.0005	0.025

Conclusion: Comply with limits set for above Heavy Metals by IS 9833

4. Total Aromatic Amines : By LC-MS

TEST NAME	TEST METHOD	RESULTS In % by mass	ACCEPTANCE CRITERIA (% by Mass)
Total Aromatic Amines	IS 9833	<0.0005	0.05

Conclusion: Comply with limits set for above parameter by IS 9833

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5. Heavy Metals & Metal Compound-Residual Catalyst:

HEAVY METAL	TEST METHOD	RESULTS (mg/kg)	ACCEPTANCE CRITERIA (mg/kg) Max
Antimony	IS 12229	36.12	350
Cobalt	IS 12229	12	125
Lithium	IS 12229	<10	130
Manganese	IS 12229	<10	80
Zinc	IS 12229	19.5	80

Conclusion: Comply with limits set for above Heavy Metals-Metal compound (Residual Catalyst) by IS 12229

Comment: The said product was tested as per various requirement of IS 12252 (specification for PET & PBT for their safe use in contact with foodstuffs, pharmaceuticals & drinking water) and the product complies with tested parameter.

Note: Above Test Parameter has been subcontracted to SGS Approved Lab

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Sample Photo (as received):



SGS authenticate the photo on original report only

**** END OF REPORT***

Per Pro SGS India Private Ltd

Authorized Signatory

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

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