



TEST REPORT

Report No. : PN:HL:4490001556

DATE : 25/03/2013

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
COLOUR R-PET
REFERENCE NO. R-PET
SAMPLE RECD ON 19/03/2013 **TESTING PERIOD :** 19/03/2013 to 25/03/2013
TEST(S) REQUESTED TO DETERMINE THE AMOUNT OF CHLOROFARM SOLUBLEEXTRACTIVES FROM
PET POLYMERS &
HEAVY METAL CONTENT/ ANALYSIS (Pb, Cd, Hg, Cr6)

TEST(S) REQUESTED US FDA CFR 177.1630 (FOR NONCOATED PRODUCTS)

TEST REQUESTED	CONCLUSION
21 CFR 177.1630 Overall Migration Test (Distilled water @ 250° F for 2 Hrs., 50% Ethanol @ 120° F for 24 Hrs., n-heptane @ 150° F for 2 hrs)	PASS

Overall Migration Test: US FDA 21 CFR PART 177.1630

TEST PARAMETERS	TEST METHOD	RESULTS (mg/inch²)	LOQ (mg/inch²)	MAXIMUM PERMISSIBLE LIMIT (mg/inch²)
Distilled water @ 250° F for 2 Hrs.	FDA 21 CFR PART 177.1630	BLQ	0.5	≤0.5
50% Ethanol @ 120° F for 24 Hrs.	FDA 21 CFR PART 177.1630	BLQ	0.5	≤0.5
n-heptane @ 150° F for 2 hrs	FDA 21 CFR PART 177.1630	BLQ	0.5	≤0.5
Conclusion		PASS		--

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BLQ: Below Limit of Quantification
 LOQ: Limit of Quantification
 ≤ = Less than or equal to

NOTE: Above Tests i.e. AMOUNT OF CHLOROFARM SOLUBLEEXTRACTIVES as per 'US FDA 21 CFR PART 177.1630 has been subcontracted to SGS Approved Lab.

Test: HEAVY METAL CONTENT/ ANALYSIS (Pb, Cd, Hg, Cr6)
 (only for Pb, Cd, Hg & Hexa-Chromium Tests)

Test Item(s):	Unit	Test Method	Results	DL	Permissible Limit
Cadmium(Cd)	mg/kg	With reference to BS EN 1122 and performed by ICP-OES	N.D.	5	100 PPM
Conclusion			PASS		

Test Item(s):	Unit	Test Method	Results	DL
Lead (Pb)	mg/kg	With reference to US EPA 3050 B / IEC 62321:2008, and performed by ICP-OES	N.D.	5
Mercury (Hg)	mg/kg	With reference to US EPA 3052 / IEC 62321:2008, and performed by ICP-OES	N.D.	5
Hexavalent Chromium (Cr-6+)	mg/kg	With reference to US EPA 7196A / IEC 62321:2008 and performed by UV-Spectrophotometer	N.D.	2

Note :

- (a) mg/kg = ppm ; 0.1wt% = 1000ppm
- (b) N.D. = Not Detected
- (c) DL = Detection Limit
- (d) Tests are carried out as per Customer's request for above 4 Test Items

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Sample as received Photo:



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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