



**TEST REPORT**

**Report No. : PN:HL:4490001557**

**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** A-PET

**REFERENCE NO.** A-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)

<b>TEST REQUESTED</b>	<b>CONCLUSION</b>
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**

<b>TEST PARAMETERS</b>	<b>TEST METHOD</b>	<b>RESULTS (mg/inch<sup>2</sup>)</b>	<b>LOQ (mg/inch<sup>2</sup>)</b>	<b>MAXIMUM PERMISSIBLE LIMIT (mg/inch<sup>2</sup>)</b>
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
<b>Conclusion</b>		<b>PASS</b>		--

BLQ: Below Limit of Quantification

LOQ: Limit of Quantification

≤ = Less than or equal to

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**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
<b>Conclusion</b>			<b>PASS</b>		

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

Sample as received Photo:

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\*\*\* End of Report \*\*\*

Per Pro SGS India Private Ltd

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