

Test Report

No. SHAHG2110683201

Date: 03 Jun 2021

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Test Results :

Test Part Description :

Specimen No.	SGS Sample ID	Description	Material (claimed by the client)
SN1	SHA21-106832.001	White plastic lid	PP

Remarks :

- (1) mg/dm² = milligram per square decimeter
- (2) mg/kg = milligram per kilogram
- (3) °C= degree Celsius
- (4) < = less than
- (5) MDL = Method Detection Limit
- (6) ND = Not Detected (< MDL)

US FDA 21 CFR 177.1520- Extractable fraction

Test Method : With reference to US FDA 21 CFR 177.1520(d) 3 (i).

Simulant Used	Time	Temperature	Max. Permissible Limit	Result of 001	Conclusion
n-hexane	2hr(s)	Reflux temperature	6.4% (w/w)	<0.5% (w/w)	PASS

US FDA 21 CFR 177.1520- Soluble fraction in Xylene

Test Method : With reference to US FDA 21 CFR 177.1520 (d) 4 (i).

Test Item(s)	Limit	Unit	MDL	001
Soluble fraction in Xylene	9.8	% (w/w)	0.5	1.7
Conclusion				PASS

US FDA 21 CFR 177.1520- Density at 23°C

Test Method : With reference to US FDA 21 CFR 177.1520(d)1)



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Test Item(s)	Limit	001
Density at 23°C, g/ cm³	0.880-0.913	0.959#

Notes :

The FDA tests are intended for the raw/virgin polymer material. Since this was not available, the finished article was tested, and this testing included the polymer and all the other substances that were added during the manufacturing process. It is recommended that the physical parameters be tested on the raw/virgin polymer material.

US FDA 21 CFR 177.1520- Melting Point

Test Method : With reference to US FDA 21 CFR 177.1520(d)(2).

Test Item(s)	Limit	001
Melting point, °C*	160-180	136#

Notes :

- (1) *The test was subcontracted to SGS Ningbo chemical lab.
- (2) The FDA tests are intended for the raw/virgin polymer material. Since this was not available, the finished article was tested, and this testing included the polymer and all the other substances that were added during the manufacturing process. It is recommended that the physical parameters be tested on the raw/virgin polymer material.

Remark: # = Exceed the limit.



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Sample photo:



SGS authenticate the photo on original report only

*** End of Report ***



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