



Test Report

No. GSL20240725025 Date: Aug. 14,2024

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Applicant : SANDMONK TECHNOLOGY CO., LTD.
Address : 317,58 ZHONGCHUANG, YUELU DISTRICT, CHANGSHA 410005, CHINA
Sample Description : WATER PURIFIER
Sample Received Date : JUL. 25,2024
Turn Around Time : JUL. 25,2024 TO AUG. 14,2024

Test Requested	Result
- FDA Specifications 21 CFR 177.1520 - for polypropylene used in contact with food	PASS
- FDA Specifications 21 CFR 177.1640 - For Polystyrene Used as The Food-Contact Surface of Articles.	PASS
- FDA Specifications 21 CFR 177.1020,180.22,181.32 - For Acrylonitrile-Butadiene-Styrene ABS Polymers in Contact with Food	PASS
- FDA Compliance General Safety Certification (GRAS) for Food Contact Material Stainless Steel -Total Chromium (Cr) Content	PASS

*** FOR FURTHER DETAILS, PLEASE REFER TO THE FOLLOWING PAGE(S) ***

Signed for and on behalf of
Greatesting Service Shanghai Co.,Ltd

Carp Quan

Approve:Carp Quan
Position:Technical Supervisor



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Sample Photo:



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上海量达检测技术有限公司

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Sample Photo:



TO BE CONTINUED



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Result:

1. FDA 21 CFR 177.1520

Test method: With reference to FDA 21 CFR 177.1520				
Limit: In accordance with the FDA Regulations for polypropylene used in contact with food.				
Test Item(s)	Unit	Limit	M.D.L	Test result
				2
Soluble fraction in xylene at 25°C	w/w %	≤9.8	0.5	1.65
Melting Point	°C	160 - 180	---	164.4
Extractable fraction in n-hexane at reflux temperature	w/w %	6.4	0.5	1.83
Note: ND = Not detected M.D.L. = method detection limit The sample(s) test method and standard are specified by client.				

2. FDA 21 CFR 177.1640

Test method: As specified in FDA 21 CFR 177.1640				
Limit: As specified by client, for compliance with the FDA Regulations for polystyrene used as the food-contact surface of articles.				
Test Item	Unit	Limit	MDL	Test result
				3
Total residual Styrene Monomer	%(w/w)	0.5 (Fatty foods)	0.0005	0.0015
Note: - ND = Not detected - MDL = Method Detection Limit - The sample(s) is (are) tested as specified by client.				



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3. FDA 21 CFR 177.1020

Test method: With reference to FDA 21 CFR 177.1020, 180.22, 181.32 -120°F -24 hrs				
Limit: In accordance with the FDA Regulations for Acrylonitrile-Butadiene-styrene polymers used in contact with food.				
Test Item(s)	Unit	Limit	MDL	Test result
				1
Residual Acrylonitrile in water	mg/inch ²	0.003	0.001	ND
Residual Acrylonitrile in 3% acetic acid	mg/inch ²	0.003	0.001	ND
Residual Acrylonitrile in 8% ethanol	mg/inch ²	0.003	0.001	ND
Residual Acrylonitrile in n-heptane	mg/inch ²	0.003	0.001	ND
Note: ND = Not detected MDL = Method Detection Limit The sample(s) is (are) tested as specified by client.				

4. FDA GRAS - Total Chromium (Cr) Content

Test Method: With reference to FDA standard, analysis was performed by ICP-OES			
Limit: in accordance with FDA Compliance General Safety Certification (GRAS)			
Test Item	Unit	Limit	Result
			4
Chromium (Cr)	%	≥16	19.98

Sample ID.	Test Part Description
1	Milky white hard plastic (container)
2	White fiber (rube)
3	White sting (string)
4	Silver metal (stainsteel body)

*** END OF REPORT ***



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