

Test report

T-25542276-11-R1



Verify Report

Overall result

Pass

Please refer to the following pages for test result summary and notes.

Client information

Client: xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

Address: xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
xx



Sample information

Description: 900ml Vacuum Tumbler

SKU / style #: 4183NY/4183BK

Country of origin: -

Country of distribution: -

Quantity submitted: 2 styles/total:10 pcs + a lot parts

Purchase order #: 20250479-11/PU044286

Labeled age grade: -

Tested age grade: -

General information

Sample receipt date: 09-Sep-2025

Report date: 10-Oct-2025

Testing period: 09-Sep-2025 to 17-Sep-2025,
26-Sep-2025 to 30-Sep-2025

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Chemical Laboratory Manager





Result summary

At the request of the client, the following test were conducted:

Test(s) conducted	Conclusion
Client's requirement, Bisphenol A content	Pass
FDA GRAS Specifications, Total Chromium in Stainless Steel Food Containers	Pass
FDA 21 CFR 177.1210, Closures with Sealing Gaskets	Pass
FDA 21 CFR 177.1520, Polypropylene Homopolymers	Pass

Note:

By client's request, selected components were conducted for all chemical testing.





Detailed results

Client's requirement, Bisphenol A content

Test Method: In-House Method
Analytical Method: Liquid Chromatography-Mass Spectrometer Mass Spectrometer (LC-MS/MS)

Specimen No.		C1	C2	C4	---	Client's limit (mg/kg)
Test Item	CAS No.	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Bisphenol A (BPA)	80-05-7	ND	ND	ND	---	Not Detected
Conclusion		Pass	Pass	Pass	---	

Note:

mg/kg=milligram per kilogram

ND=Not Detected (Reporting limit = 0.1mg/kg)





Detailed results

FDA GRAS Specifications, Total Chromium in Stainless Steel Food Containers

Test Method: SN/T 2718-2010
Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	C3	---	---	---	---	Limit (% m/m)
Test Item	Result (% m/m)	Result (% m/m)	Result (% m/m)	Result (% m/m)	Result (% m/m)	
Total Chromium (Cr)	18.08	---	---	---	---	GT 16
Conclusion	Pass	---	---	---	---	

Note:

% m/m = Percent by mass
GT = Greater than

Remark:

The limit is quoted from NSF/ANSI 51 - 2023 Section 4.2.1.2.





Detailed results

FDA 21 CFR 177.1210, Closures with Sealing Gaskets

Test Method: FDA 21 CFR 177.1210

Specimen No.			C2	---	RL (mg/kg)	Limit (mg/kg)
Test Item	Test Condition		Result (mg/kg)	Result (mg/kg)		
	Temp.	Duration				
Distilled water extractive	Fill boiling	Until Cool to 100°F	ND	---	10	50
n-Heptane extractive	120°F	0.25hours	ND	---	10	50
Conclusion			Pass	---		

Note:

Temp. = Temperature

°F = Degree Fahrenheit

ppm (Parts per million) = mg/kg (Milligrams per kilogram foodstuff)

LT = Less than

ND = Not detected. Result value is less than reporting limit (RL).

Remark:

The specification is quoted from 21 CFR 177.1210 Table 2 Section 3.





Detailed results

FDA 21 CFR 177.1520, Polypropylene Homopolymers

Test Method: FDA 21 CFR 177.1520

Specimen No.			C1	---	RL	Limit
Test Item	Temp.	Duration	Result	Result		
Density (g/cc)	NA	NA	0.906	---	NA	0.880 – 0.913
Melting point (°C)	NA	NA	159	---	NA	150 – 180
n-Hexane Extractive (%)	Reflux	2 Hours	0.8	---	0.1	6.4
Xylene Extractive (%)	Reflux	2 Hours	3.1	---	0.5	9.8
Conclusion			Pass	---		

Note:

Temp. = Temperature

°C = Degree Celsius

g/cc = Grams per cubic centimeter

% w/w = Percent by weight

NA = Not applicable

LT = Less than

ND = Not detected. Result value is less than reporting limit (RL).

Remark:

The specification is quoted from 21 CFR 177.1520 (c) 1.1.





Specimen description

Specimen #	Specimen description	Location
C1	Black plastic	Black style-lid
C2	Grey soft plastic	Black style-sealing ring
C3	Silvery metal	Black style-interior
C4	Black coating	Raw material-black style-main body





Pictures

Sample photo:



End of the report

The test result(s) and conclusion(s) in this report relate only to the sample(s) as received and the method /regulation section(s) tested as described herein. If it is not further specified in the report, the decision rule for stating conformity is based on the QIMA decision rule. (<https://www.qima.com/conditions-of-service#decisionRule>). This test report may not be reproduced in whole or in part, without the written approval of QIMA (Hangzhou) Testing Co., Ltd.

