Total Quality. Assured.

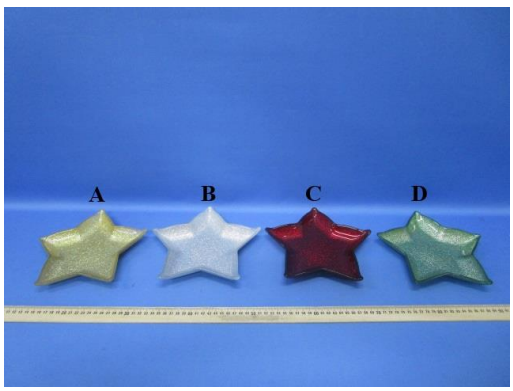
Test Report **Report Number: SZHH02001801**

Applicant KOOPMAN INTERNATIONAL ASIA LIMITED
c/o Koopman International bv
Distelweg 88
1031 HH Amsterdam

Issue Date: Dec 26, 2024

Attn QUALITY CONTROL

SAMPLE DESCRIPTION AS DECLARED	
Item Name	Plate
Item No./SKU No.	044300660,670,680,690,700,710
Quantity	24 PIECES
Applicant's Ref	Material: x4 Glass (red,green,silver,gold)
Vendor	--
Buyer	--
Country/Region of Origin	--
Date Sample Received	DEC 11, 2024
Testing Period	DEC 11, 2024~DEC 26, 2024



For and on behalf of
Intertek Testing Services Shenzhen Ltd.

Rachel L. Guo
General Manager

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CONCLUSION

Tested Sample	Standard/Testing Item	Result
Tested component(s) of submitted samples	Client's requirement on sensory test	Pass
	French DGCCRF Fiche MCDA n°2 (V01 - 01/05/2016) Food contact suitability of inorganic materials (excluding metal and alloys) on leachable Lead, Cadmium and Chromium (VI) content	Pass
	French DGCCRF Fiche MCDA n°2 (V01 - 01/05/2016) Food contact suitability of inorganic materials (excluding metal and alloys) on migration of Aluminium, Cobalt and Arsenic content	Pass

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Sensory Evaluation

With reference to DIN 10955:2004.

Test Procedure:

Sample was cleaned according to the product's instruction manual or in the absence of such manual, with water. Food simulant was filled in the sample under below mentioned time and temperature. Odour and off-flavour was evaluated with 6 panelists using control sample of food simulant.

Test condition:

Water 70°C 2hours

Test Item	Result					Limit
	1	2	3	4	-	
Intensity of odour	0.5	0.5	0.5	0.5	-	2.5
Intensity of off- flavour	0.5	0.5	0.5	0.5	-	2.5

Intensity Scale:
0 = No discernible deviation
1 = Barely discernible deviation
2 = Weak deviation
3 = Clear deviation
4 = Strong deviation

Tested Components: See component list in the last section of this report.

Leachable Heavy Metal Content

With reference to French DGCCRF Fiche MCDA n°2 (V01 - 01/05/2016) Food contact suitability of inorganic materials (excluding metal and alloys), by Atomic Absorption Spectrophotometric analysis.

(1) Plate (style A).

Test Item	Result				
	Surface Area dm²	Leaching Volume mL	Lead mg/dm²	Cadmium mg/dm²	Chromium VI mg/dm²
1	3.14	240	ND	ND	ND
Category	-	-	1	1	1
Limit	-	-	0.8	0.07	0.005

(2) Plate (style B).

Test Item	Result				
	Surface Area dm²	Leaching Volume mL	Lead mg/dm²	Cadmium mg/dm²	Chromium VI mg/dm²
1	3.14	240	ND	ND	ND
Category	-	-	1	1	1
Limit	-	-	0.8	0.07	0.005

(3) Plate (style C).

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Test Item	Result				
	Surface Area dm²	Leaching Volume mL	Lead mg/dm²	Cadmium mg/dm²	Chromium VI mg/dm²
1	3.14	240	ND	ND	ND
Category	-	-	1	1	1
Limit	-	-	0.8	0.07	0.005

(4) Plate (style D).

Test Item	Result				
	Surface Area dm²	Leaching Volume mL	Lead mg/dm²	Cadmium mg/dm²	Chromium VI mg/dm²
1	3.14	240	ND	ND	ND
Category	-	-	1	1	1
Limit	-	-	0.8	0.07	0.005

ND = Not detected
Detection limit means limit of quantification
Detection limit:
Lead (Pb) = 0.05 mg/dm²
Cadmium (Cd) = 0.02 mg/dm²

Migration of Aluminium, Cobalt and Arsenic

Sample with 4% acetic acid simulant was conditioned at 22 °C for 24 hours, 3 successive migrations were taken and solutions of 3rd migration were analyzed by ICP/MS.

(1) Plate (style A).

Test Item	Result			
	Leaching Volume mL	Aluminium(Al) mg/kg of food simulant	Cobalt(Co) mg/kg of food simulant	Arsenic(As) mg/kg of food simulant
1	240	ND	ND	ND
Limit	-	1.0	0.02	ND (< 0.002)

(2) Plate (style B).

Test Item	Result			
	Leaching Volume mL	Aluminium(Al) mg/kg of food simulant	Cobalt(Co) mg/kg of food simulant	Arsenic(As) mg/kg of food simulant
1	240	ND	ND	ND
Limit	-	1.0	0.02	ND (< 0.002)

(3) Plate (style C).

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Test Item	Result			
	Leaching Volume mL	Aluminium(Al) mg/kg of food simulant	Cobalt(Co) mg/kg of food simulant	Arsenic(As) mg/kg of food simulant
1	240	ND	ND	ND
Limit	-	1.0	0.02	ND (< 0.002)

(4) Plate (style D).

Test Item	Result			
	Leaching Volume mL	Aluminium(Al) mg/kg of food simulant	Cobalt(Co) mg/kg of food simulant	Arsenic(As) mg/kg of food simulant
1	240	ND	ND	ND
Limit	-	1.0	0.02	ND (< 0.002)

ND = Not detected

Reporting limit:
Aluminium (Al) = 0.1 mg/kg
Cobalt (Co) = 0.005 mg/kg
Arsenic (As)= 0.002 mg/kg

COMPONENT LIST

No.	Test Component Description(s)
(1)	Plate (style A).
(2)	Plate (style B).
(3)	Plate (style C).
(4)	Plate (style D).

End of Report

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