

TEST REPORT NUMBER: PRTH00096020 Revision 1 Page 1 of 7
APPLICANT: MATCERAMICA-FABRICO DE LOUÇA , S.A. **DATE OF EMISSION:** 29/03/2022
APARTADO 150
OUTEIRO DO SEIXO - VALE DE OURÉM

For the attention of ANA MARQUES

SAMPLE DESCRIPTION: PEDIDO 654
PO 220069
1 - THE TALL BUD VASE SEMI MATTE SPECKLED WHITE G0531=VASO GRANDE
(RELEVO RISCAS) COLUMBIA BRANC SEMI-MATE C/ PINTAS G0531
REF.: VAT-SM-G8400G0531
GRES
DATE OF RECEPTION: 23/03/2022
TEST PERFORMED BETWEEN DATES: 23/03/2022 and 25/03/2022
WORK DAYS: 5
REQUEST: Tests performed in accordance with APPLICANT TEST REQUEST
specification
NOTES: FABLE HOME GOODS

Add photo
This report replaces the report no. PRTH00096020 from 2022-03-25 and should
be used instead.

Samples

Test	
	1
* Dishwasher Safe	M
Extractable lead & cadmium	M
* Impact testing of hollowware - rim	M
Thermal Shock	M

M = Meet buyer's requirement; NM = does not meet buyer's requirement; NR = Not requested; NA = Not applicable; NC = No comment; SC = Still continues

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Hardlines and Chemistry Laboratory Manager
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Test Method	Results	Requirements
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<p>* Dishwasher Safe</p> <p>ITS-M0001</p>	<p>Sample: 1</p> <p>Test conditions</p> <p>Detergent: 108</p> <p>Rinse aid: 51</p> <p>Washing cycles: 10</p> <p>Mass of detergent: 25 g</p> <p>Washing cycle characteristics: 1</p> <p>Nº of tested specimens: 3</p> <p>No apparent changes</p>	<p>Shall exhibit no discoloration, rusting, or surface degradation.</p>
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Extractable lead & cadmium

SOP 201: 2017-09-28 (Method equivalent to ASTM C738: 94 (2016))

	Sample: 1	
		FDA
		Limits (mg/L)
Specimen	Cadmium(Cd) (mg/L)	Pb
		Lead(Pb) (mg/L)
1	<0,04	Flatware 3.0
2	<0,04	Small Holloware 2.0
3	<0,04	Large Holloware 1.0
4	<0,04	Cups & Mugs 0.5
5	<0,04	Pitchers 0.5
6	<0,04	
		Cd
		Flatware 0.5
		Small Holloware 0.5
		Large Holloware 0.25
		Cups & Mugs 0.5
		Pitchers 0.25

Sample Capacity: 480 mL
 Sample Category: Small Holloware

Quantification limit: Pb:0,1mg/L; Cd:0,04 mg/L
 < = Less than

Proposition 65

Limits (mg/L)	
Pb	
Flatware	0.226
Small Holloware	0.1
Large Holloware	0.1
Cups & Mugs	0.1
Pitchers	0.1



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TEST REPORT NUMBER: PRT00096020 Revision 1

Page 4 of 7

Sample: 1

Cd
Flatware 1.8532
Small Holloware 0.1886
Large Holloware 0.0492
Cups & Mugs 0.0492
Pitchers 0.0492

Uncertainty: Cadmium(Cd) ±15% of value; Lead(Pb) ±25% of value

*** Impact testing of hollowware - rim**

BS EN 12980:2000

Sample: 1

Test conditions:

The impact energy to produce failure on ceramic ware and glass ware shall not be less than 0.05 J (0.04 ft-lbf) when the flatware and hollowware (consisting of cups, mugs, ovenware or vases) are impact tested at the rim.

Nº of tested articles: 10

Testing plan: b

IMPACT RESISTANCE ON RIM

	Energy (J)	Height (m)	Angular (°)	Energy (ft,lbf)	Length of pendulum (m)	Pendulum (Kg)
1	0,105	0,107	50	0,078		
2	0,053	0,054	35	0,039		
3	0,105	0,107	50	0,078		
4	0,053	0,054	35	0,039		
5	0,069	0,070	40	0,051	0,300	0,100
6	0,086	0,088	45	0,064		
7	0,069	0,070	40	0,051		
8	0,053	0,054	35	0,039		
9	0,105	0,107	50	0,078		
10	0,086	0,088	45	0,064		

Average 0,079 0,080



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Sample: 1

The impact energy to produce failure on ceramic ware and glass ware shall not be less than 0.05 J (0.04 ft-lbf) when the flatware and hollowware (consisting of cups, mugs, ovenware or vases) are impact tested at the rim.

Thermal Shock

BS EN 1183: 1997 - METHOD B

Sample: 1

Time of thermal equilibrium: 60 min

Nr. of samples tested: 10

For ceramic ware and glass ware:
- Oven ware: Temperature difference shall not be less than 302 °F (150 °C);
- Not Oven ware: Temperature difference shall not less than 194 °F (90°C).

T1(°C)	T2(°C)	T1-T2(°C)	Nº of failures at T1	Cumulative failures (%)
120	20	100	0	0
140	20	120	0	0
160	20	140	0	0
180	20	160	0	0
200	20	180	2	20
220	20	200	3	50
			5	50

Thermal Shock endurance

Δt50 (temperature difference at which 50% of the samples have failed) 200 °C

S (Standard Deviation) = 11,0

Conclusion: Based on the testes concluded the article should resist thermal



Sample: 1
shock until a temperature of 200 °C.

For ceramic ware and glass ware:
- Oven ware: Temperature difference shall not be less than 302 °F (150 °C);
- Not Oven ware: Temperature difference shall not less than 194 °F (90°C).

