

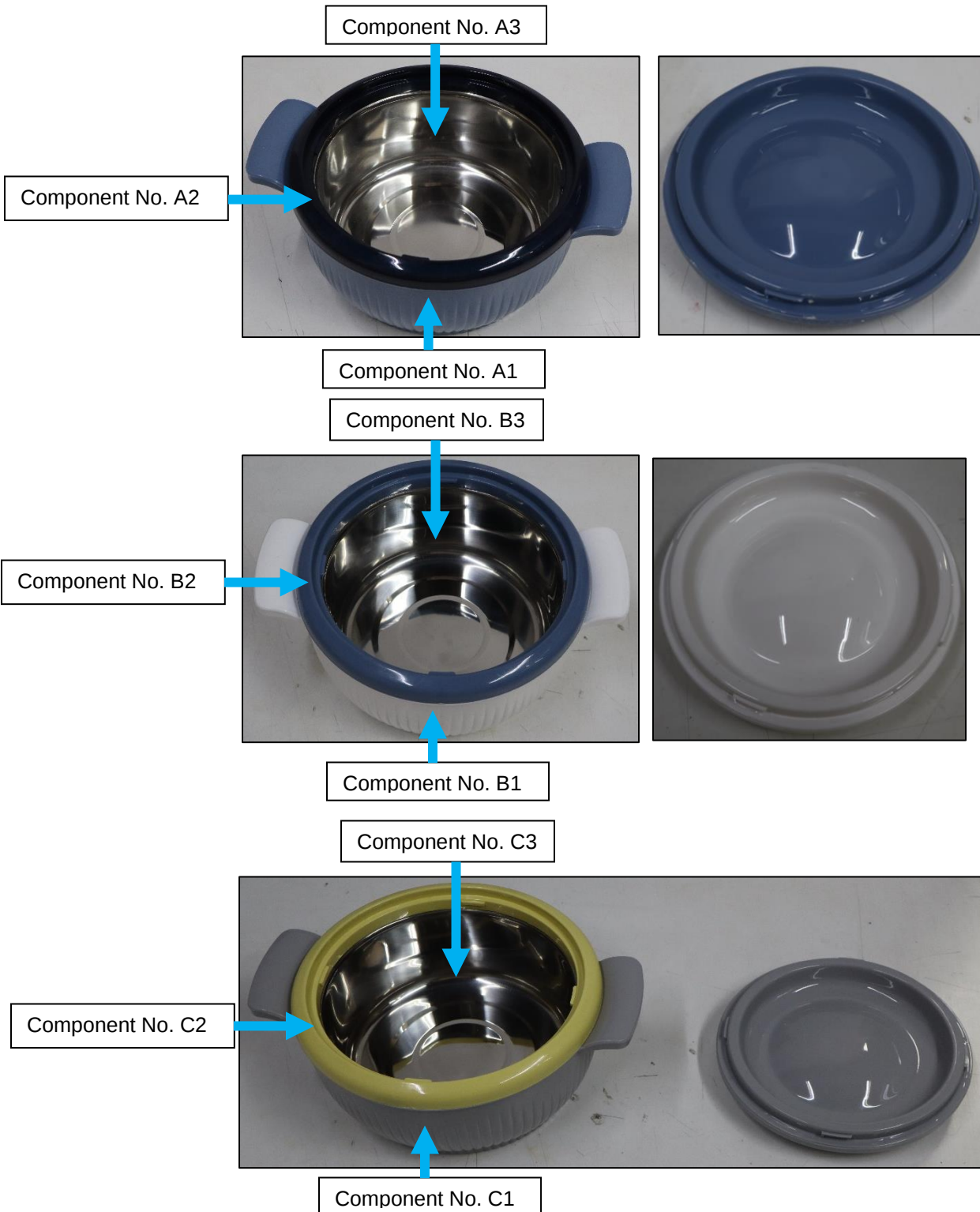
TEST REPORT



Test Report No. GGN/H(FCM)/25/001798

Dated. 2025.06.13

Sample Image(s) (As Received)



TEST REPORT



Test Report No. GGN/H(FCM)/25/001798

Dated. 2025.06.13

Applicant / Company Name : All Time Plastics Ltd
Address : Plot No.377/1 (1&2) & 371/1(C), Kachigam Char rasta, Daman (U.T) 396210
Attention / Contact Person : Zarir Patel
Tested Sample : Received on 2025.06.03 at 07:22 P.M.
Test Period : 2025.06.04 To 2025.06.13
Article / Sample Description : Solaris Casserole (1600 ML) (All Time) (Assorted)
Colour : Moonlight Blue, White, Grey (Soft Silver)
Product Type / End Use : Hot Pot
Style No. : 8902084028692
Buyer : N.A
Agent : N.A
Supplier : N.A
Season : N.A
Country Of Origin : India
Country Of Destination : N.A

Note:

1. The submitted sample(s) is / are Not Drawn by the Laboratory

2. Unless otherwise agreed upon, PASS or FAIL verdicts are given based on the measured values without any considerations of measurement uncertainties. Every test method has a measurement uncertainty which has been evaluated by the laboratory and are available on request. By taking measurement uncertainties into account, it might happen that measured values can neither be assessed as PASS nor as FAIL"

3. The testing conditions are followed as per the reported test standard. For additional test conditions, apart from the reported test conditions, the laboratory can be contacted for details.

4. The laboratory will retain the sample(s) for 45 days except for the mandatory retention period specified by the Regulatory Bodies and unless otherwise specified by the client.

By accepting this document, the customer hereby agrees and accepts the 'Terms & Conditions' and the relevant 'Testing & Certification Regulations' of TÜV SÜD South Asia Pvt Ltd. which are available at Company's website at the link-<https://www.tuvsud.com/en-in/terms-and-conditions>

Note: The test report is electronically generated. Hence original signature is not required.

Note: (1) The results relate only to the items tested, (2) The test report shall not be reproduced except in full without the written approval of the laboratory (3) Any use for advertising purposes must be granted in writing. This technical report may only be quoted in full. This report is the result of a single examination of the object in question and is not generally applicable evaluation of the quality of other products in regular production. For further details, please see testing and certification regulation, chapter A-3.4. (4) The correctness of the information related to sample(s) in the Test Request Form/Customer letterhead/Email is the customer's responsibility. The laboratory reports the said information in the test report and is not liable for the same, (5) The testing conditions are followed as per the reported test standard. For additional test conditions apart from the reported test conditions laboratory can be contacted for details

Laboratory:
TÜV SÜD South Asia Pvt. Ltd.
373 Udyog Vihar Phase II
Sector 20
Gurgaon – 122016

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Mumbai – 400072. India

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Remarks:

1. Sample(s) is / are tested as on-received basis.
2. Test(s) performed as requested by applicant.
3. Conclusion(s) of the test(s) was drawn as per compliance requirement(s) specified by applicant.
4. (##) Marked Test is not under ISO/IEC 17025:2017 accreditation

Authorized By

Ankit Kumar Arya
(Authorised Signatory)

Authorized By

Atal Anand
(Authorised Signatory)

Please Contact:

For any technical issues: Anuradha Dhamija at :Anuradha.Dhamija@tuvsud.com

For any complaint: Ashima Sapra at: Ashima.Sapra@tuvsud.com

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Summary of Test Result(s)

S. No.	Test(s)	Conclusion (#)
1.	Overall Migration	Pass
2.	Specific migration of heavy metals	Pass
3.	Total Lead Content	Pass
4.	Total Cadmium Content	Pass
5.	Bisphenol A (BPA) content	Observations / Refer results
6.	Metal Composition	Pass
7.	Migration of / Extractable elements	Pass
8.	Resistance to corrosion	Observations / Refer results
9.	Drop Test	Observations / Refer results
10.	Dishwasher suitability	Observations / Refer results
(#) For details regarding specification(s) / regulation(s) based on which compliance is decided, refer test details.		

Material list / List of material(s) (As confirmed by applicant)

Component No.	Component description	Material	Color	Remarks
A	Casserole	-	-	-
A1	Light blue plastic	Plastic	Light blue	-
A2	Navy blue plastic	Plastic	Navy blue	-
A3	Silver metal	SS	Silver	-
B	Casserole	-	-	-
B1	White plastic	Plastic	White	-
B2	Light blue plastic	Plastic	Light blue	Same as A2
B3	Silver metal	Metal	Silver	Same as A3
C	Casserole	-	-	-
C1	Grey plastic	Plastic	Grey	-
C2	Yellow plastic	Plastic	Yellow	-
C3	Silver metal	SS	Silver	Same as A3

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Sampling plan (As requested by applicant)

S. No.	Test	Component No.					
1.	Overall Migration	A1	A2	B1	C1	C2	
2.	Specific migration of heavy metals	A1	A2	B1	C1	C2	
3.	Total Lead Content	A1	A2	A3	B1	C1	C2
4.	Total Cadmium Content	A1	A2	A3	B1	C1	C2
5.	Bisphenol A (BPA) content	A1	A2	B1	C1	C2	
6.	Metal Composition	A3					
7.	Migration of / Extractable elements	A3					

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Test Result(s):

Overall Migration

Test Specification(s) / Regulation(s): Commission Regulation (EU) No. 10/2011 & its amendments and Framework regulation (EC) No 1935/2004.

Test method(s) adopted: EN 1186: 2002.

Simulant(s) used: Refer below.

Test condition(s): Refer below; (Repeated use/3rd Migration).

S. No.	Simulant Used	Test condition	Result (mg/dm ²) Component No.					Maximum Permissible Limit (mg/dm ²)
			A1	A2	B1	C1	C2	
1.	3% Acetic Acid	70 °C for 2 Hours	ND	ND	ND	ND	ND	10
2.	10% Ethanol	70 °C for 2 Hours	ND	ND	ND	ND	ND	10
3.	95% Ethanol	60°C for 2 hours	ND	ND	ND	ND	ND	10
4.	Isooctane	40°C for 30 minutes	ND	ND	ND	ND	ND	10
Conclusion			Pass	Pass	Pass	Pass	Pass	
Limit of quantification: 2.0 mg/dm ²								

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Specific migration of heavy metals

Test Specification(s) / Regulation(s): Commission Regulation (EU) 2020/1245 amending and Correcting Regulation (EU) 10/2011 and Framework regulation (EC) No 1935/2004.

Test method(s) adopted: EN 13130-1:2004 for exposure part followed by analysis using ICP – MS.

Simulant(s) used: 3 % Acetic Acid.

Test condition(s): 70°C for 2 Hours (Repeated use/3rd Migration).

Equipment(s) used: ICP – MS (Inductively Coupled Plasma – Mass Spectrometer).

S. No.	Heavy metal	Result (mg/kg) – Component No.					Limit of Quantification (mg/kg)	Compliance requirement / Limit Max. (mg/kg)
		A1	A2	B1	C1	C2		
1.	Aluminium (as Al)	ND	ND	ND	ND	ND	0.1	1
2.	Antimony (as Sb)	ND	ND	ND	ND	ND	0.01	0.04
3.	Arsenic (As)	ND	ND	ND	ND	ND	0.01	ND(DL0.01)
4.	Barium (as Ba)	ND	ND	ND	ND	ND	0.1	1
5.	Cadmium (as Cd)	ND	ND	ND	ND	ND	0.002	ND (DL:0.002)
6.	Chromium (as Cr)	ND	ND	ND	ND	ND	0.01	ND (DL:0.01)
7.	Cobalt (as Co)	ND	ND	ND	ND	ND	0.01	0.05
8.	Copper (as Cu)	ND	ND	ND	ND	ND	0.1	5
9.	Europium (as Eu)	ND	ND	ND	ND	ND	0.01	0.05
10.	Gadolinium (as Gd)	ND	ND	ND	ND	ND	0.01	0.05
11.	Iron (as Fe)	ND	ND	ND	ND	ND	0.1	48
12.	Lanthanum (as La)	ND	ND	ND	ND	ND	0.01	0.05
13.	Lead (as Pb)	ND	ND	ND	ND	ND	0.01	ND (DL:0.01)
14.	Lithium (as Li)	ND	ND	ND	ND	ND	0.1	0.6
15.	Manganese (as Mn)	ND	ND	ND	ND	ND	0.05	0.6
16.	Mercury (as Hg)	ND	ND	ND	ND	ND	0.005	ND (DL:0.01)
17.	Nickel (as Ni)	ND	ND	ND	ND	ND	0.01	0.02
18.	Terbium (as Tb)	ND	ND	ND	ND	ND	0.01	0.05
19.	Zinc (as Zn)	ND	ND	ND	ND	ND	0.1	5
Conclusion		Pass	Pass	Pass	Pass	Pass	--	--

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Total Lead Content

Test Specification(s) / Regulation(s): REACH Regulation (EC) No 1907/2006 (Annex XVII) & its amendments (Entry level / No.: 63);

Test method(s) adopted: In-house method {(GTP_Chem_CPS_25134C) -Non-Metal and GTP_Chem_CPS_25133C for metal / (Acid digestion followed by analysis using ICP-MS)};

Equipment(s) used: Inductively Coupled Plasma – Mass Spectrometer (ICP – MS).

S. No.	Component No.	Test Result (mg/kg)	Limit of quantification (mg/kg)	Compliance Requirement(s) / Limit Max (mg/kg)	Conclusion
1.	A1	ND	10.0	Less than 500 mg/kg	Pass
2.	A2	ND	10.0	Less than 500 mg/kg	Pass
3.	A3	ND	10.0	Less than 500 mg/kg	Pass
4.	B1	ND	10.0	Less than 500 mg/kg	Pass
5.	C1	ND	10.0	Less than 500 mg/kg	Pass
6.	C2	ND	10.0	Less than 500 mg/kg	Pass

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Test Report No. GGN/H(FCM)/25/001798

Dated. 2025.06.13

Total Cadmium Content

Test Specification(s) / Regulation(s): REACH Regulation (EC) No 1907/2006 (Annex XVII) & its amendments (Entry level / No.: 23);

Test method(s) adopted: EN 16711-1 (Acid digestion followed by analysis using ICP-MS));

Equipment(s) used: Inductively Coupled Plasma – Mass Spectrometer (ICP – MS).

S. No.	Component No.	Test Result (mg/kg)	Limit of Quantification (mg/kg)	Compliance Requirement(s) / Limit Max	Conclusion
1.	A1	ND	10.0	Less than 100 mg/kg	Pass
2.	A2	ND	10.0	Less than 100 mg/kg	Pass
3.	A3	ND	10.0	Less than 100 mg/kg	Pass
4.	B1	ND	10.0	Less than 100 mg/kg	Pass
5.	C1	ND	10.0	Less than 100 mg/kg	Pass
6.	C2	ND	10.0	Less than 100 mg/kg	Pass

Bisphenol A (BPA) content

Test Specification(s): As Per Applicant's Specification.

Test method(s) adopted: GTP_Chem_CPS_25120 E

Equipment(s) used: LC – MS (Liquid Chromatograph – Mass Spectrometer).

S. No.	Component No.	Result (mg/kg)	Limit of quantification (mg/kg)
1.	A1	ND	0.1
2.	A2	ND	0.1
3.	B1	ND	0.1
4.	C1	ND	0.1
5.	C2	ND	0.1

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Metal composition verification (##)

Test Specification(s) / Regulation(s): As per applicant's specification with reference to Fiche MCDA n°1 (V02 – 01/04/2017) Food contact suitability of metals and alloys {French Arrêté of 13th January, 1976, French Decree 2007-766 with amendments, Rules for metals & alloys intended to come into contact with foodstuffs DM / 4B / COM / 001 (superseding DGCCRF Information Notice 2004-64)};

Equipment(s) used: Arc Spark OES, Arc Spark - Optical Emission Spectrometer;

S. No.	Test parameter(s) / Element	Test Result(s) (%) – Component No.	Compliance Requirement (%)	Conclusion
		A3		
1.	Chromium (Cr)	16.350	Not less than 13.0	Pass
2.	Molybdenum (Mo)	0.119	Shall not exceed 4.0	Pass
3.	Copper (Cu)	1.494	Shall not exceed 4.0	Pass
4.	Titanium (Ti)	ND	Shall not exceed 4.0	Pass
5.	Niobium (Nb)	ND	Shall not exceed 1.0	Pass
6.	Aluminium (Al)	ND	Shall not exceed 4.0	Pass
7.	Tantalum (Ta)	0.549	Shall not exceed 1.0	Pass
8.	Zirconium (Zr)	ND	Shall not exceed 1.0	Pass

Limit of quantification:0.1%

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Migration of / Extractable elements

Test Method(s) & Specification(s): EDQM Technical Guide on Metals and Alloys used in food contact materials and articles, 2nd edition, 2024 and supplements Article 3 para (1-a) of Regulation (EC) No. 1935/2004.

Simulant(s) used: 0.5% citric acid

Test condition(s): 70°C for 2 hours (Repeated use/ 1st+2nd Migration);

Surface area to volume / Migration ratio: Sample A3 –2.8 dm²:500 ml.

Equipment(s) used: ICP – MS (Inductively Coupled Plasma – Mass Spectrometer).

Element	Limit of quantification (mg/kg)	Result(s) of (1 st + 2 nd) migration (mg/kg) – Component No.	Maximum Permissible Limit (mg/kg) / 7 times SRL
		A3	
Tin (as Sn)	1	ND	700
Copper (as Cu)	1	ND	28
Iron (as Fe)	1	ND	280
Manganese (as Mn)	0.1	ND	3.85
Zinc (as Zn)	1	ND	35
Aluminium (as Al)	1	ND	35
Nickel (as Ni)	0.02	ND	0.98
Chromium (as Cr)	0.2	ND	7
Barium (as Ba)	0.2	ND	8.4
Lithium (as Li)	0.02	ND	0.336
Beryllium (as Be)	0.002	ND	0.07
Vanadium (as V)	0.002	ND	0.07
Cobalt (as Co)	0.01	ND	0.14
Arsenic (as As)	0.001	ND	0.014
Molybdenum (as Mo)	0.02	ND	0.84
Silver (as Ag)	0.02	ND	0.56
Cadmium (as Cd)	0.002	ND	0.035
Antimony (as Sb)	0.02	ND	0.28
Mercury (as Hg)	0.001	ND	0.021
Thallium (as Tl)	0.001	ND	0.007
Lead (as Pb)	0.002	ND	0.070
Magnesium (as Mg)	1	ND	---
Titanium (as Ti)	1	ND	---
Zirconium (Zr)	0.2	ND	14
Conclusion		Pass	--

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Dated. 2025.06.13

Migration of / Extractable elements

Test Method(s) & Specification(s): EDQM Technical Guide on Metals and Alloys used in food contact materials and articles, 2nd edition, 2024 and supplements Article 3 para (1-a) of Regulation (EC) No. 1935/2004.

Simulant(s) used: 0.5% citric acid

Test condition(s): 70°C for 2 hours (Repeated use/ 3rd Migration);

Surface area to volume / Migration ratio: Sample A3 –2.8 dm²:500 ml

Equipment(s) used: ICP – MS (Inductively Coupled Plasma – Mass Spectrometer).

Element	Limit of quantification (mg/kg)	Result(s) of 3 rd migration (mg/kg) – Component No.	Maximum Permissible Limit (mg/kg) / SRL
		A3	
Tin (as Sn)	1	ND	100
Copper (as Cu)	1	ND	4
Iron (as Fe)	1	ND	40
Manganese (as Mn)	0.1	ND	0.55
Zinc (as Zn)	1	ND	5
Aluminium (as Al)	1	ND	5
Nickel (as Ni)	0.02	ND	0.14
Chromium (as Cr)	0.2	ND	1.0
Barium (as Ba)	0.2	ND	1.2
Lithium (as Li)	0.02	ND	0.048
Beryllium (as Be)	0.002	ND	0.01
Vanadium (as V)	0.002	ND	0.01
Cobalt (as Co)	0.01	ND	0.02
Arsenic (as As)	0.001	ND	0.002
Molybdenum (as Mo)	0.02	ND	0.12
Silver (as Ag)	0.02	ND	0.08
Cadmium (as Cd)	0.002	ND	0.005
Antimony (as Sb)	0.02	ND	0.04
Mercury (as Hg)	0.001	ND	0.003
Thallium (as Tl)	0.001	ND	0.001
Lead (as Pb)	0.002	ND	0.010
Magnesium (as Mg)	1	ND	---
Titanium (as Ti)	1	ND	---
Zirconium (Zr)	0.2	ND	2.0
Conclusion		Pass	---

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Test Report No. GGN/H(FCM)/25/001798

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Resistance to corrosion test as per ISO 9227-22

Test specification(s): Applicant's specification.

Test method(s) adopted: Applicant's specification with reference to ISO 9227:2022 (Neutral Salt Spray)

Equipment used: Salt Spray Tester.

Test condition(s):

(i) Concentration of Salt {Sodium chloride (NaCl)} Solution: 1 %

(ii) Chamber temperature: $(35 \pm 2) ^\circ\text{C}$

(iii) Exposure period: 24 hours (Applicant's specification)

Tested Sample	Test Result(s) / Observation(s)
Sample A	No visual changes observed
Sample B	No visual changes observed
Sample C	No visual changes observed

Drop Test

Test method(s) adopted: As per applicant's specification with reference to EN 71-1

Number of Drops: 05

Height: 850 mm

Tested Sample	Test Result
Component A	No breakage observed.
Component B	No breakage observed.
Component C	No breakage observed.

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Dishwasher suitability

Test method(s) adopted: In-house test method with reference to EN 12875-1:2005 - Mechanical dishwashing resistance of utensils- Part 1: Reference test method for domestic articles.

Number of cycles: 05 (Applicant's - specified);

Duration of one cycle: 90±10 minutes;

Tested Sample	Test Result(s) / Observation(s) (*)
Sample A	1 st cycle: No Visual change observed.
	2 nd cycle: No Visual change observed.
	3 rd Cycle: No Visual change observed.
	4 th Cycle: No Visual change observed.
	5 th Cycle: No Visual change observed.
Sample B	1 st cycle: No Visual change observed.
	2 nd cycle: No Visual change observed.
	3 rd Cycle: No Visual change observed.
	4 th Cycle: No Visual change observed.
	5 th Cycle: No Visual change observed.
Sample C	1 st cycle: No Visual change observed.
	2 nd cycle: No Visual change observed.
	3 rd Cycle: No Visual change observed.
	4 th Cycle: No Visual change observed.
	5 th Cycle: No Visual change observed.
(*) Observations were made with unaided eye.	

Abbreviations

"mg/kg" denotes milligram per kilogram & is equivalent to ppm (parts per million); "ND" denotes Not Detected or below limit of quantification; "°C" denotes degree Celsius; "%" denotes percent; "%".

--- END OF THE TEST REPORT ---