MICROPUL ELEKTROSTATİK TOZ BOYA

MUSTAFA KEMAL CADDESI 3273. SOKAK, NO:24, 41400 GEBZE/KOCAELI

The following samples were submitted and identified by/on behalf of the client as:

ELECTROSTATIC POWDER COASTING

Case No.	:	CA326203425499
SGS TR No.	:	2859746
Colour	:	BLACK
Manufacturer	:	MICROPUL ELEKTROSTATİK TOZ BOYA
Sample Receiving Date	:	AUG 28, 2026
Testing Period	:	AUG 28, 2026 – SEP 10, 2026

Selected part(s) as requested by the client, please refer to test result page(s) for details:

Test Requested		Conclusion
1.	**Article 3 of European Regulation No. 1935/2004.**	**--**
	a) Sensorial Examination - Odour and Taste Test	PASS
2.	**European Commission Regulation (EU) No 10/2011 and its amendments.**	**--**
	a) Plastic – Specific Migration of Heavy Metals	PASS
3.	**Specific Migration of Heavy Metals**	SEE RESULTS

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

Signed for and on behalf of
SGS Hong Kong Ltd.

Lam Chi Ho, Jacko
Assistant Technical Manager

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Test Results:

1. Article 3 of European Regulation No. 1935/2004.

a) Sensorial Examination - Odour and Taste Test

Method : With reference to DIN 10955: 2024-01.
Test Condition : 40°C for 0.5 hours
Test media: Deionised Water
No. of panelist: 6

Test Item	Result	Permissible Limit
	1	
Sensorial examination odour (Intensity scale)	0	< 3
Sensorial examination taste (Intensity scale)	1	< 3
Comment	PASS	--

Sample Description :
1. Black coated metal (Electrostatic powder coating)

Note : 1. < = less than
2. Permissible Limit is according to DIN 10955: 2024-01
3. Intensity scale (rounded at 0.5) :

0 – no perceptible difference
1 – just perceptible difference
2 – slight difference
3 – marked difference
4 – strong difference

The decision rule has prescribed in the regulation or standard, conformity reporting will base on the standard

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2. **European Commission Regulation (EU) No 10/2011 and its amendments.**

a) Plastic – Specific Migration of Heavy Metals

Method: Sample preparation in 3% acetic acid (w/v) at 40°C for 0.5 hours with reference to EN 13130-1:2004; followed by analysis using Inductively coupled plasma (ICP). (1st, 2nd and 3rd migration).

Test Item	Result (mg/kg)			Reporting Limit (mg/kg)	Permissible Limit (mg/kg)
	1				
	1st migration	2nd migration	3rd migration		
Surface area to volume ratio (dm^2/kg)	6	6	6	--	--
Aluminium	ND	ND	ND	0.2	1
Antimony	ND	ND	ND	0.01	0.04
Arsenic	ND	ND	ND	0.01	ND
Barium	ND	ND	ND	0.2	1
Cadmium	ND	ND	ND	0.002	ND
Chromium	ND	ND	ND	0.01	ND
Cobalt	ND	ND	ND	0.01	0.05
Copper	ND	ND	ND	1	5
Iron	ND	ND	ND	9.6	48
Lead	ND	ND	ND	0.01	ND
Lithium	ND	ND	ND	0.12	0.6
Manganese	ND	ND	ND	0.12	0.6
Mercury	ND	ND	ND	0.01	ND
Nickel	ND	ND	ND	0.01	0.02
Zinc	ND	ND	ND	1	5
Europium	ND	ND	ND	0.01	0.05
Gadolinium	ND	ND	ND	0.01	
Lanthanum	ND	ND	ND	0.01	
Terbium	ND	ND	ND	0.01	
Stability	Comply			--	--
Comment	PASS			--	--

Sample Description :
1. Black coated metal (Electrostatic powder coating)

Note : 1. mg/kg = milligram per kilogram of foodstuff in contact with
2. °C = degree Celsius
3. ND = Not Detected
4. dm^2/kg = square decimeter per kilogram
5. Permissible Limit is according to Commission Regulation (EU) No 10/2011 of 14 January 2011 with amendments.

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Remark :
1. For repeated use articles, the compliance is based on the stability trend and 3rd migration result with measurement uncertainty according to (EU) 2025/351. For substances which limit is "Not Detected", the non-compliance is based on the 3 migration test results if it is detected without the inclusion of measurement uncertainty.

3. Specific Migration of Heavy Metals

Method: Sample preparation in 3% acetic acid (w/v) at 40°C for 0.5 hours with reference to EN 13130-1:2004; followed by analysis using Inductively coupled plasma (ICP). (1st, 2nd and 3rd migration).

Test Item	Result (mg/kg)			Reporting Limit
	1			
	1st migration	2nd migration	3rd migration	
Surface area to volume ratio (dm^2/kg)	6	6	6	--
Specific Migration of Calcium (mg/kg)	ND	ND	ND	0.1
Specific Migration of Potassium (mg/kg)	ND	ND	ND	0.1
Specific Migration of Sodium (mg/kg)	ND	ND	ND	0.1
Specific Migration of Magnesium (mg/kg)	ND	ND	ND	0.1
Specific Migration of $NH4^+$ (mg/kg)	ND	ND	ND	0.5

Sample Description :
1. Black coated metal (Electrostatic powder coating)

Note: 1. mg/kg = milligram per kilogram of foodstuff in contact with
2. dm^2/kg = square decimeter per kilogram
3. °C = degree Celsius
4. ND = Not Detected (Lower than reporting limit)

Remark :
1. Test condition & simulant were specified by client.

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Remark:

When statement of conformity is made, unless inherent in the requested specification, the decision rule would be based on the non-binary statement with guard band (is equal to the expanded measurement uncertainty with a 95% coverage probability, w = U_{95}) in ILAC-G8:09/2019 Clause 4.2.3.
“Pass - the measured value is within (or below / above) the acceptance limit, where the acceptance limit is below / above to the guard band.” or “Pass - The measured values were observed in tolerance at the points tested. The specific false accept risk is up to 2.5%.”.
“Fail - the measured value is out of (or below / above) the tolerance limit added / subtracted to the guard band.” or “Fail - One or more measured values were observed out of tolerance at the points tested”. The specific false reject risk is up to 2.5%.
“Inconclusive – It is not possible to state the conformity. Either one or more measured values were observed in the portion of the expanded measurement uncertainty intervals at the points tested where the specific risk is up to 50%.”

*** End of Report ***

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