DATA SHEET

41150904 ESM. EMSP-09 PISTACHO MATE POLVO 26/02/2025 v1.4

1. PRODUCT IDENTIFICATION

Description: MAT PISTACHIO GLAZE.It belongs to the "EMSP" series recommended for ceramicware. Compound of frit: CAS Nº. 65997-18-4.

Application: The glazes can be decorated by the coulors of serie CD for application over white or red bodies. The firing recommended temperature varies from 980 °C to 1080ºC. They can be used at higher temperatures obtaining the same or
even other finishes.

2. CHEMICAL COMPOSITION

Metal oxides with concentrations less than 0.05% have not been determined.

Li_2O		ZnO	5-10	Cr_2O_3		CaF_2			
Na_2O	1-5	MnO		B_2O_3	1-5	Bi_2O_3		HfO2	0-0.5
K_2O	0-0.5	CdO		V_2O_5		P_2O_5		MEDIUM	
MgO	0-0.5	CoO		MnO_2		BeO		LOI	0.5-1
CaO	1-5	NiO		SiO_2	20-40	CeO_2		Zr-Pr-Si	1-5
SrO		Al_2O_3	1-5	TiO_2	0-0.5	CuO		Zr-V-Pr-Si	5-10
BaO	1-5	Fe_2O_3	0-0.5	ZrO_2	1-5	Pr_2O_3			
PbO		Sb_2O_3		SnO_2					

3 PHYSICAL-CHEMICAL PROPERTIES

Aspect	Green powder
Color(fired)	Pistachio

4. COLORIMETRY

* By Minolta ChromaControl (S)

L: 72.72 a: -16.45 b: 38.86

5. DILATOMETRY

* Data obtained with dilatometer BÄHR mod. DIL 801 L 10^{-7} C^{-1}

(25-300)C°	(50-300)C°	(300-500)C°	(500-600)C°	Tª Transformation	Tª Softening	Melting point
65.65	65.35	76.55	171.75	543 Cº	757 Cº	>875 Cº

6. GRANULOMETRIC DISTRIBUTION (WET WAY)

* Data obtained by Malvern Instruments (Master Sizer 2000)

>10µ	>25µ	>40µ	>70µ	>120µ	D50µ
62.3	30.85	14.85	3.1	0	14.85

7. RECOMMENDATIONS ON GLAZED OBJECTS INTENDED FOR CULINARY USE

Formulated without lead and cadmium.

Notes: n.a (not applicable), n.d (no information available), p.n (negative tests)

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