

DATA SHEET

41150704 ESM. EMSP-07 MALVA MATE POLVO

26/02/2025 v1.4

1. PRODUCT IDENTIFICATION

Description MAT MALLOW GLAZE. It belongs to the "EMSP" series recommended for ceramicware. Compound of frit: CAS N°. 65997-18-4.

Application The glazes can be decorated by the colors of serie CD for application over white or red bodies. The firing recommended temperature varies from 980 °C to 1080°C. 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 ₂ O		ZnO	5-10	Cr ₂ O ₃		CaF ₂		Cr-Sn	5-10
Na ₂ O	1-5	MnO		B ₂ O ₃	1-5	Bi ₂ O ₃		HfO ₂	0-0.5
K ₂ O	0-0.5	CdO		V ₂ O ₅		P ₂ O ₅		MEDIUM	
MgO	0-0.5	CoO		MnO ₂		BeO		LOI	0.5-1
CaO	1-5	NiO		SiO ₂	20-40	CeO ₂			
SrO		Al ₂ O ₃	1-5	TiO ₂	0-0.5	CuO			
BaO	1-5	Fe ₂ O ₃	0-0.5	ZrO ₂	1-5	Pr ₂ O ₃			
PbO		Sb ₂ O ₃		SnO ₂					

3 PHYSICAL-CHEMICAL PROPERTIES

Aspect Lilac powder
Color(fired) Mallow

4. COLORIMETRY

* By Minolta ChromaControl (S)

L: 56.83 a: 15.79 b: -11.96

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°	T ^a Transformation	T ^a Softening	Melting point
65.65	65.35	76.55	171.75	543 C°	757 C°	>875 C°

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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