DATA SHEET

22192107 ESMALTE PR-17 TR. MATE S/Pb. ATOMIZ 17/02/2025 v1.4

1. PRODUCT IDENTIFICATION

Description Transparent and Matt Glaze suitable for use on white body. It is recommended to try red, terracotta, pottery and colored bodies because the result of the color of the body may vary depending on the thickness of the application. Compound of frit: CAS Nº. 65997-18-4.

Application It can be applied :dipping, spraying, any mechanical application method.It can be coloured with our Pigments "P" Series, keeping in mind it contains Zn . It is recommended to make previous test for colouring with natural oxides and firing cycles over 1080 ºC. "CD Series" of underglaze colours can be used for decoration. The recommended temperature varies from 980º-1080ºC.

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

Li_2O		ZnO	20-40	Cr_2O_3		CaF_2	
Na_2O	5-10	MnO		B_2O_3	5-10	Bi_2O_3	LOI 0.5-1
K_2O	0-0.5	CdO		V_2O_5		P_2O_5	
MgO	0-0.5	CoO		MnO_2		BeO	
CaO	5-10	NiO		SiO_2	40-80	CeO_2	
SrO		Al_2O_3	1-5	TiO_2	0-0.5	CuO	
BaO	5-10	Fe_2O_3	0-0.5	ZrO_2		Pr_2O_3	
PbO		Sb_2O_3		SnO_2			

3 PHYSICAL-CHEMICAL PROPERTIES

Aspect	White powder
Color(fired)	Transparent Matt

4. COLORIMETRY * By Minolta ChromaControl (S)

L: n.a a: n.a b: n.a

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
76.2	75.7	83.4	191.9	557 Cº	666 Cº	>750 Cº

6. GRANULOMETRIC DISTRIBUTION (WET WAY) * Data obtained by Malvern Instruments (Master Sizer 2000)

>10µ	>25µ	>40µ	>70µ	>120µ	D50µ
58.7	27.8	12.5	2	0	13.3

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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