DATA SHEET

12101407 'ESMALTE G-1005 MATE ATOMIZADO 05/02/2025 v1.3

1. PRODUCT IDENTIFICATION

Description Transparent and Matt lead 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 . "CD Series" and "Decor Series" of underglaze colours can be used for decoration. The recommended temperature varies from 950º-1020ºC.

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	1-5	MnO		B_2O_3	1-5	Bi_2O_3		MEDIUM	0-0.5
K_2O	0-0.5	CdO		V_2O_5		P_2O_5		LOI	0-0.5
MgO	0-0.5	CoO		MnO_2		BeO			
CaO	1-5	NiO		SiO_2	20-40	CeO_2			
SrO		Al_2O_3	5-10	TiO_2		CuO			
BaO		Fe_2O_3	0-0.5	ZrO_2		Pr_2O_3			
PbO	20-40	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
62.5	61.4	77.7	221.2	509 Cº	817 Cº	>925 Cº

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

>10µ	>25µ	>40µ	>70µ	>120µ	D50µ
58.0	25.3	10.3	1.1	0.0	12.8

7. RECOMMENDATIONS ON GLAZED OBJECTS INTENDED FOR CULINARY USE

Compound of lead frit. To certify their food use, the final pieces must be submitted to lead migration test by an accredited laboratory.

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

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