

DATA SHEET

41142004 ESM. ETSP-22 TRANSP. GRIS POLVO

19/01/2025 v1.4

1. PRODUCT IDENTIFICATION

Description TRANSPARENT GREY GLAZE. This is a very bright glaze recommended for ceramicware. Compound of frit: CAS N°. 65997-18-4.

Application It can be applied: dipping, spraying, any mechanical application method. Glaze suitable for use on white, red and colored body. 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, which will depend on the body.

2. CHEMICAL COMPOSITION

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

Li ₂ O	5-10	ZnO		Cr ₂ O ₃		CaF ₂		LOI	0.5-1
Na ₂ O		MnO		B ₂ O ₃	10-20	Bi ₂ O ₃			
K ₂ O	1-5	CdO		V ₂ O ₅		P ₂ O ₅		Zr-Fe-Cr-Ni-S	1-5
MgO	1-5	CoO		MnO ₂		BeO		Zr-V-Pr-Si-Fe	1-5
CaO	1-5	NiO		SiO ₂	40-80	CeO ₂			
SrO		Al ₂ O ₃	5-10	TiO ₂		CuO			
BaO	0.5-1	Fe ₂ O ₃	0-0.5	ZrO ₂		Pr ₂ O ₃			
PbO		Sb ₂ O ₃		SnO ₂					

3 PHYSICAL-CHEMICAL PROPERTIES

Aspect Grey powder
Color(fired) Grey

4. COLORIMETRY

* By Minolta ChromaControl (S)

L: 39.1 a: -2.4 b: -1.0

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
71.03	70.86	74.66	112.76	582 C°	706 C°	>850 C°

6. GRANULOMETRIC DISTRIBUTION (WET WAY)

* Data obtained by Malvern Instruments (Master Sizer 2000)

>10µ	>25µ	>40µ	>70µ	>120µ	D50µ
57.8	22.71	9.35	0.98	0	12.72

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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