

DATA SHEET

41141704 ESM. ETSP-19 TRANSP. CALDERA POLVO

22/11/2024 v1.3

1. PRODUCT IDENTIFICATION

Description TRANSPARENT LIGHT BROWN 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		ZnO		Cr ₂ O ₃		CaF ₂	
Na ₂ O	5-10	MnO		B ₂ O ₃	10-20	Bi ₂ O ₃	Cr-Fe-Zn 1-5
K ₂ O	1-5	CdO		V ₂ O ₅		P ₂ O ₅	LOI 0.5-1
MgO	1-5	CoO		MnO ₂		BeO	
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 Brown powder
Color(fired) Light brown

4. COLORIMETRY

* By Minolta ChromaControl (S)

L: 35.1 a: 14.7 b: 12.7

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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