

DATA SHEET

10603207 ESMALTE NS-20-M TRANSP. ATOMIZADO

17/02/2025 v1.3

1. PRODUCT IDENTIFICATION

Description	Transparent Bright Glaze suitable for use on white bodies, not recommended for red bodies. Compound of frit: CAS N°. 65997-18-4.
Application	It can be applied: dipping, spraying, any mechanical application method. It can be colored with our "P" Series Pigments obtaining a high performance color with red and pink references but not so much with black, blue and brown references. The "CD Series" of underglaze colors can be used for brush or screen printing decoration. The recommended temperature varies from 980°-1150°C.

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	
Na ₂ O		MnO		B ₂ O ₃	10-20	Bi ₂ O ₃	LOI
K ₂ O	1-5	CdO		V ₂ O ₅		P ₂ O ₅	1-5
MgO		CoO		MnO ₂		BeO	
CaO	5-10	NiO		SiO ₂	40-80	CeO ₂	
SrO		Al ₂ O ₃	10-20	TiO ₂		CuO	
BaO		Fe ₂ O ₃		ZrO ₂		Pr ₂ O ₃	
PbO		Sb ₂ O ₃		SnO ₂			

3 PHYSICAL-CHEMICAL PROPERTIES

Aspect	White powder
Color(fired)	Transparent Bright

4. COLORIMETRY

* By Minolta ChromaControl (S)

L: n.a	a: n.a	b: n.a
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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	
65.8	66.2	70.6	109.9	579 C°	670 C°	>850 C°	

6. GRANULOMETRIC DISTRIBUTION (WET WAY)						* Data obtained by Malvern Instruments (Master Sizer 2000)	
>10μ	>25μ	>40μ	>70μ	>120μ	D50μ		
60.6	26.9	10.8	1.3	0	13.8		

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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