

DATA SHEET

13107007 ESMALTE 5889 BLANCO BR. S/Pb. ATOMI

17/02/2025 v1.4

1. PRODUCT IDENTIFICATION

Description	White and Glossy Glaze suitable for use on white and red body, pottery and colored body. It can be used on standard bodies because its low TEC. Compound of frit: CAS N°. 65997-18-4.
Application	It can be applied :dipping, spraying, slip-trail for "CUERDA SECA" technique and any mechanical method of application. It can be coloured with our Pigments "P" Series, keeping in mind it contains Zr. It is recommended to make previous test for colouring with natural oxides and firing cycles over 1080 °C. "CD Series" of On-glaze colours can be used for decoration. The recommended temperature varies from 980°-1260°C.

2. CHEMICAL COMPOSITION

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

Li ₂ O	1-5	ZnO	5-10	Cr ₂ O ₃		CaF ₂		
Na ₂ O		MnO		B ₂ O ₃	10-20	Bi ₂ O ₃	MEDIUM	0-0.5
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	5-10	NiO		SiO ₂	40-80	CeO ₂		
SrO		Al ₂ O ₃	5-10	TiO ₂	0-0.5	CuO		
BaO		Fe ₂ O ₃	0-0.5	ZrO ₂	5-10	Pr ₂ O ₃		
PbO		Sb ₂ O ₃		SnO ₂				

3 PHYSICAL-CHEMICAL PROPERTIES

Aspect	White powder
Color(fired)	White 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
61.5	61.4	63.1	84.7	588 C°	684 C°	>900 C°

6. GRANULOMETRIC DISTRIBUTION (WET WAY)

* Data obtained by Malvern Instruments (Master Sizer 2000)

>10µ	>25µ	>40µ	>70µ	>120µ	D50µ
62.9	27.4	11.9	1.3	0	14.7

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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