

DATA SHEET

13610107 ESMALTE SIGLO XV BLANCO ANTIGUO AT.

05/02/2025 v1.4

1. PRODUCT IDENTIFICATION

Description	Ivory and Glossy Semi-opaque lead Glaze suitable for use on white and red body, pottery and colored body. Old White color result, depends on the type of body and thickness of application. Compound of frit: CAS N°. 65997-18-4.
Application	It can be applied :dipping, spraying, any mechanical method of application.It can be coloured with our Pigments "P" Series, keeping in mind it contains Zr. "CD Series","Decor Series" and Special "Siglo XVIII Colours" of On-glaze colours can be used for decoration. The recommended temperature varies from 950°-1000°C.

2. CHEMICAL COMPOSITION

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

Li ₂ O	1-5	ZnO	0-0.5	Cr ₂ O ₃		CaF ₂	
Na ₂ O		MnO		B ₂ O ₃	1-5	Bi ₂ O ₃	Fe-Cr-Zn 0-0.5
K ₂ O	0.5-1	CdO		V ₂ O ₅		P ₂ O ₅	HfO ₂ 0-0.5
MgO	0-0.5	CoO		MnO ₂		BeO	LOI 1-5
CaO	0.5-1	NiO		SiO ₂	40-80	CeO ₂	
SrO	0-0.5	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	20-40	Sb ₂ O ₃		SnO ₂			

3 PHYSICAL-CHEMICAL PROPERTIES

Aspect	White powder
Color(fired)	White

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
65.0	64.2	71.8	192.0	527 C°	611 C°	>925 C°

6. GRANULOMETRIC DISTRIBUTION (WET WAY)

* Data obtained by Malvern Instruments (Master Sizer 2000)

>10µ	>25µ	>40µ	>70µ	>120µ	D50µ
62.1	30.0	14.7	3.2	0.0	14.4

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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