DATA SHEET

10116004 ESM. 3110 TR. CRISTALINA 18/02/2025 v1.3

1. PRODUCT IDENTIFICATION

Description: Transparent Glaze with alkaline composition, very shiny and with a low melting point. High TEC. Compound of frit: CAS Nº. 65997-18-4.

Application: It is recommended to use at high temperature as a compound to get the crystalline effect in combination with Zinc compounds. The recommended temperature varies from 980º-1260ºC.

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

Li_2O		ZnO		Cr_2O_3		CaF_2	
Na_2O	10-20	MnO		B_2O_3	1-5	Bi_2O_3	
K_2O	1-5	CdO		V_2O_5		P_2O_5	
MgO		CoO		MnO_2		BeO	
CaO	5-10	NiO		SiO_2	40-80	CeO_2	
SrO		Al_2O_3	1-5	TiO_2		CuO	
BaO		Fe_2O_3		ZrO_2		Pr_2O_3	
PbO		Sb_2O_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

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°	Tª Transformation	Tª Softening	Melting point
99	99.2	108	247.6	522 Cº	600 Cº	>850 Cº

6. GRANULOMETRIC DISTRIBUTION (WET WAY) * Data obtained by Malvern Instruments (Master Sizer 2000)

>10µ	>25µ	>40µ	>70µ	>120µ	D50µ
68.3	36.5	18.5	4.2	0.1	17.8

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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