

DATA SHEET

10113107 ESMALTE CQ-004 CRAQ. S/Pb. ATOMIZAD

17/02/2025 v1.4

1. PRODUCT IDENTIFICATION

Description Transparent crackled glaze recommended for use on white bodies and suitable for under decoration. Not recommended for ceramicware because its crackled effect. It can be used as corrector of TEC in case of shivering of glazes. Compound of frit: CAS N°. 65997-18-4.

Application It can be applied: immersion, spraying, any mechanical application method. It can be colored with our "P" Series pigments by previously testing different %. For decoration, the "CD Series" of underglaze colors can be used. The recommended temperature varies from 980°C-1150°C.

2. CHEMICAL COMPOSITION

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

Li ₂ O	10-20	ZnO	Cr ₂ O ₃	CaF ₂		
Na ₂ O		MnO	B ₂ O ₃	Bi ₂ O ₃	MEDIUM	0-0.5
K ₂ O	1-5	CdO	V ₂ O ₅	P ₂ O ₅	LOI	1-5
MgO	0-0.5	CoO	MnO ₂	BeO		
CaO	1-5	NiO	SiO ₂	CeO ₂		
SrO		Al ₂ O ₃	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 Crackled

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°	T ^a Transformation	T ^a Softening	Melting point
102.3	104.5	119.2		522 C°	585 C°	>950 C°

6. GRANULOMETRIC DISTRIBUTION (WET WAY)

* Data obtained by Malvern Instruments (Master Sizer 2000)

>10μ	>25μ	>40μ	>70μ	>120μ	D50μ
64.6	62.6	15.8	3.4	0	16.3

7. RECOMMENDATIONS ON GLAZED OBJECTS INTENDED FOR CULINARY USE

Not recommended for food use due to its craquelé effect that does not give the piece its total tightness

Notes: n.a (not applicable), n.d (no information available), p.n (negative tests)

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