

DATA SHEET

50118600 CAOLIN INGLES "M"

04/04/2025 v1.3

1. PRODUCT IDENTIFICATION

Description CLAY.AL₂O₃.2SiO₂.2H₂O.

Application Raw material for the ceramics industry.

2. CHEMICAL COMPOSITION

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

Li ₂ O		ZnO		Cr ₂ O ₃		CaF ₂			
Na ₂ O	0,15	MnO		B ₂ O ₃		Bi ₂ O ₃		LOI	11,71
K ₂ O	2,15	CdO		V ₂ O ₅		P ₂ O ₅			
MgO	0,3	CoO		MnO ₂		BeO			
CaO	0,05	NiO		SiO ₂	48,54	CeO ₂			
SrO		Al ₂ O ₃	36,03	TiO ₂	0,06	CuO			
BaO		Fe ₂ O ₃	1	ZrO ₂		Pr ₂ O ₃			
PbO		Sb ₂ O ₃		SnO ₂					

3 PHYSICAL-CHEMICAL PROPERTIES

Aspect White powder
Color(fired) White

4. COLORIMETRY

* By Minolta ChromaControl (S)

L: a: b:

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
				C°	C°	>1000 C°

6. GRANULOMETRIC DISTRIBUTION (WET WAY)

* Data obtained by Malvern Instruments (Master Sizer 2000)

>10µ	>25µ	>40µ	>70µ	>120µ	D50µ
47.55	7.39	0.52	0	0	9.5

7. RECOMMENDATIONS ON GLAZED OBJECTS INTENDED FOR CULINARY USE

This material is lead and cadmium free.

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



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