

# DATA SHEET

50113500 CAOLIN D'ARVOR

04/04/2025 v1.5

## 1. PRODUCT IDENTIFICATION

Description CLAY.AL2O3.AL<sub>2</sub>O<sub>3</sub>.2SiO<sub>2</sub>.2H<sub>2</sub>O.

Application Raw material for the ceramics industry.

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

Li <sub>2</sub> O	0,1	ZnO	Cr <sub>2</sub> O <sub>3</sub>	CaF <sub>2</sub>	LOI	12,41
Na <sub>2</sub> O	1,2	MnO	B <sub>2</sub> O <sub>3</sub>	Bi <sub>2</sub> O <sub>3</sub>		
K <sub>2</sub> O	0,2	CdO	V <sub>2</sub> O <sub>5</sub>	P <sub>2</sub> O <sub>5</sub>		
MgO	0,1	CoO	MnO <sub>2</sub>	BeO		
CaO	36,94	NiO	SiO <sub>2</sub>	48,05	CeO <sub>2</sub>	
SrO	0,8	Al <sub>2</sub> O <sub>3</sub>	TiO <sub>2</sub>	0,2	CuO	
BaO		Fe <sub>2</sub> O <sub>3</sub>	ZrO <sub>2</sub>		Pr <sub>2</sub> O <sub>3</sub>	
PbO		Sb <sub>2</sub> O <sub>3</sub>	SnO <sub>2</sub>			

## 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 $10^{-7} \text{ C}^{-1}$

(25-300)C°	(50-300)C°	(300-500)C°	(500-600)C°	T <sup>a</sup> Transformation C°	T <sup>a</sup> Softening C°	Melting point
						>1000 C°

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

>10μ >25μ >40μ >70μ >120μ D50μ

## 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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