

DATA SHEET

50100200 BENTONITA

04/04/2025 v1.6

1. PRODUCT IDENTIFICATION

Description BENTONITE.
Montmorillonite____80%
Cristobalite_____17%

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	0,37	ZnO	Cr ₂ O ₃	CaF ₂	LOI	6,38
Na ₂ O		MnO	B ₂ O ₃	Bi ₂ O ₃		
K ₂ O	1,58	CdO	V ₂ O ₅	P ₂ O ₅		
MgO	2,43	CoO	MnO ₂	BeO		
CaO	1,32	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) 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°	T ^a Transformation C°	T ^a 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
48.7	21.3	8.4	0.7		9.6

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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