

DATA SHEET

50100600 CARBONATO DE BARIO

04/04/2025 v1.3

1. PRODUCT IDENTIFICATION

Description Barium carbonate. BaCO₃.

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	LOI	23
Na ₂ O	MnO	B ₂ O ₃	Bi ₂ O ₃		
K ₂ O	CdO	V ₂ O ₅	P ₂ O ₅		
MgO	CoO	MnO ₂	BeO		
CaO	NiO	SiO ₂	CeO ₂		
SrO	Al ₂ O ₃	TiO ₂	CuO		
BaO 77	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)

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	T ^a Softening		Melting point
				C°	C°		1740 C°

6. GRANULOMETRIC DISTRIBUTION (WET WAY)

* Data obtained by Malvern Instruments (Master Sizer 2000)

>10μ	>25μ	>40μ	>70μ	>120μ	D50μ
3.25					3.03

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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