

DATA SHEET

50104500 SUBNITRATO DE BISMUTO

04/04/2025 v1.4

1. PRODUCT IDENTIFICATION

Description BISMUTH SUBNITRATE. It can be used as flux for low temperature.

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	MnO	B ₂ O ₃	Bi ₂ O ₃	80,1	LOI	19,9
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	Fe ₂ O ₃	ZrO ₂	Pr ₂ O ₃			
PbO	Sb ₂ O ₃	SnO ₂				

3 PHYSICAL-CHEMICAL PROPERTIES

Aspect 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°	Tª Transformation	Tª Softening	Melting point
				C°	C°	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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