

DATA SHEET

50115900 BORAX POLVO (BORAX DECAHIDRATADO)

04/04/2025 v1.5

1. PRODUCT IDENTIFICATION

Description Sodium tetraborate decahydrate. $\text{Na}_2\text{B}_4\text{O}_7 \cdot 10\text{H}_2\text{O}$

Application Raw material for the ceramics industry.

2. CHEMICAL COMPOSITION

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

Li_2O		ZnO		Cr_2O_3		CaF_2	
Na_2O	16,45	MnO		B_2O_3	36,87	Bi_2O_3	LOI
K_2O		CdO		V_2O_5		P_2O_5	46,68
MgO		CoO		MnO_2		BeO	
CaO		NiO		SiO_2		CeO_2	
SrO		Al_2O_3		TiO_2		CuO	
BaO		Fe_2O_3		ZrO_2		Pr_2O_3	
PbO		Sb_2O_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)

>10 μ	>25 μ	>40 μ	>70 μ	>120 μ	D50 μ
19.8		35.6		29.8	

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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