

DATA SHEET

50109400 CARBONATO DE LITIO POLVO

04/04/2025 v1.3

1. PRODUCT IDENTIFICATION

Description POWDER LITHIUM CARBONATE. Li_2CO_3 .

Application Raw material for the ceramics industry.

2. CHEMICAL COMPOSITION

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

Li_2O	39,94	ZnO	Cr_2O_3	CaF_2	LOI	60,06
Na_2O		MnO	B_2O_3	Bi_2O_3		
K_2O		CdO	V_2O_5	P_2O_5		
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)

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°	720	C°	

6. GRANULOMETRIC DISTRIBUTION (WET WAY)						* Data obtained by Malvern Instruments (Master Sizer 2000)		
>10µ	>25µ	>40µ	>70µ	>120µ	D50µ			
88.1	71.4	62.8	47.6	27.1	68.1			

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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