

DATA SHEET

50101500 FELDESPATO POTASICO "M"

16/05/2025 v1.3

1. PRODUCT IDENTIFICATION

Description POTASH FELDSPAR. $K_2O \cdot Al_2O_3 \cdot 6SiO_2$.

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	4,17	MnO		B ₂ O ₃		Bi ₂ O ₃		LOI	0,53
K ₂ O	7,47	CdO		V ₂ O ₅		P ₂ O ₅			
MgO	0,05	CoO		MnO ₂		BeO			
CaO	0,41	NiO		SiO ₂	71,26	CeO ₂			
SrO		Al ₂ O ₃	15,9	TiO ₂	0,08	CuO			
BaO		Fe ₂ O ₃	0,12	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: n.a. a: n.a. b: n.a.

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
82.9	83.7	119.3	550	550 C°	883 C°	>1260 C°

6. GRANULOMETRIC DISTRIBUTION (WET WAY)

* Data obtained by Malvern Instruments (Master Sizer 2000)

>10μ	>25μ	>40μ	>70μ	>120μ	D50μ
68.4	45.0	28.8	10.7	1.3	21.3

7. RECOMMENDATIONS ON GLAZED OBJECTS INTENDED FOR CULINARY USE

Raw material .

Notes: n.a (not applicable), n.d (no information available), p.n (negative tests)



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