

DATA SHEET

50105300 ALUMINA CALCINADA AC-90

04/04/2025 v1.4

1. PRODUCT IDENTIFICATION

Description CALCINED ALUMINA. Al_2O_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		ZnO		Cr_2O_3		CaF_2	
Na_2O	0,5	MnO		B_2O_3		Bi_2O_3	LOI 0,34
K_2O		CdO		V_2O_5	0,1	P_2O_5	
MgO		CoO		MnO_2		BeO	
CaO		NiO		SiO_2	0,02	CeO_2	
SrO		Al_2O_3	99	TiO_2	0,01	CuO	
BaO		Fe_2O_3	0,04	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°	T ^a Transformation C°	T ^a Softening C°	Melting point C°
						2072 C°

6. GRANULOMETRIC DISTRIBUTION (WET WAY)

* Data obtained by Malvern Instruments (Master Sizer 2000)

>10μ	>25μ	>40μ	>70μ	>120μ	D50μ
86.3	75.3	72.7	55.6	22.9	77.5

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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