

# DATA SHEET

50118300 ALUMINA HIDRATADA

04/04/2025 v1.4

## 1. PRODUCT IDENTIFICATION

Description HYDRATED ALUMINA.  $\text{Al}_2\text{O}_3 \cdot 3\text{H}_2\text{O}$

Application Raw material for the ceramics industry.

## 2. CHEMICAL COMPOSITION

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

$\text{Li}_2\text{O}$	$\text{ZnO}$	$\text{Cr}_2\text{O}_3$	$\text{CaF}_2$	LOI	36
$\text{Na}_2\text{O}$	$\text{MnO}$	$\text{B}_2\text{O}_3$	$\text{Bi}_2\text{O}_3$		
$\text{K}_2\text{O}$	$\text{CdO}$	$\text{V}_2\text{O}_5$	$\text{P}_2\text{O}_5$		
$\text{MgO}$	$\text{CoO}$	$\text{MnO}_2$	$\text{BeO}$		
$\text{CaO}$	$\text{NiO}$	$\text{SiO}_2$	$\text{CeO}_2$		
$\text{SrO}$	$\text{Al}_2\text{O}_3$ 64	$\text{TiO}_2$	$\text{CuO}$		
$\text{BaO}$	$\text{Fe}_2\text{O}_3$	$\text{ZrO}_2$	$\text{Pr}_2\text{O}_3$		
$\text{PbO}$	$\text{Sb}_2\text{O}_3$	$\text{SnO}_2$			

## 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  $10^{-7} \text{C}^{-1}$

(25-300)C°	(50-300)C°	(300-500)C°	(500-600)C°	T <sup>a</sup> Transformation C°	T <sup>a</sup> Softening C°	Melting point C°
						2072 C°

## 6. GRANULOMETRIC DISTRIBUTION (WET WAY)

\* Data obtained by Malvern Instruments (Master Sizer 2000)

>10 $\mu$	>25 $\mu$	>40 $\mu$	>70 $\mu$	>120 $\mu$	D50 $\mu$
84	65	46.7	20.4	3.1	37.1

## 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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