

# DATA SHEET

50106700 WOLLASTONITA

17/01/2025 v1.2

## 1. PRODUCT IDENTIFICATION

Description WOLLASTONITE, Calcium silicate  $\text{CaSiO}_3$ .

Application Raw material in the ceramics industry.

## 2. CHEMICAL COMPOSITION

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

$\text{Li}_2\text{O}$	$\text{ZnO}$	$\text{Cr}_2\text{O}_3$	$\text{CaF}_2$
$\text{Na}_2\text{O}$	$\text{MnO}$	$\text{B}_2\text{O}_3$	$\text{Bi}_2\text{O}_3$
$\text{K}_2\text{O}$	$\text{CdO}$	$\text{V}_2\text{O}_5$	$\text{P}_2\text{O}_5$
$\text{MgO}$ 0,5	$\text{CoO}$	$\text{MnO}_2$	$\text{BeO}$
$\text{CaO}$ 45	$\text{NiO}$	$\text{SiO}_2$ 50	$\text{CeO}_2$
$\text{SrO}$	$\text{Al}_2\text{O}_3$ 0,5	$\text{TiO}_2$	$\text{CuO}$
$\text{BaO}$	$\text{Fe}_2\text{O}_3$ 0,15	$\text{ZrO}_2$	$\text{Pr}_2\text{O}_3$
$\text{PbO}$	$\text{Sb}_2\text{O}_3$	$\text{SnO}_2$	

## 3 PHYSICAL-CHEMICAL PROPERTIES

Aspect White powder

Color(fired)

## 4. COLORIMETRY

\* By Minolta ChromaControl (S)

L: n.a.

a: n.a.

b: n.a.

## 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°
						1480 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 $\mu$
76.4	46.1	27.3	10.2	1.5	22.7

## 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)

 PRODESCO S.L.

C/ Aviación 44, 46940 Manises, Valencia - España  
+34961545588  
admon@prodesco.es  
www.prodesco.es

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