

# DATA SHEET

50137300 BIOXIDO DE TITANIO -MA-

04/06/2026 v1.7

## 1. PRODUCT IDENTIFICATION

Description TITANIUM OXIDE. TiO<sub>2</sub>.

Application Raw material for the ceramics industry.

## 2. CHEMICAL COMPOSITION

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

Li <sub>2</sub> O	ZnO	Cr <sub>2</sub> O <sub>3</sub>	CaF <sub>2</sub>	LOI	0,35
Na <sub>2</sub> O	MnO	B <sub>2</sub> O <sub>3</sub>	Bi <sub>2</sub> O <sub>3</sub>		
K <sub>2</sub> O	CdO	V <sub>2</sub> O <sub>5</sub>	P <sub>2</sub> O <sub>5</sub>		
MgO	CoO	MnO <sub>2</sub>	BeO		
CaO	NiO	SiO <sub>2</sub>	CeO <sub>2</sub>		
SrO	Al <sub>2</sub> O <sub>3</sub>	TiO <sub>2</sub>	CuO		
BaO	Fe <sub>2</sub> O <sub>3</sub>	ZrO <sub>2</sub>	Pr <sub>2</sub> O <sub>3</sub>		
PbO	Sb <sub>2</sub> O <sub>3</sub>	SnO <sub>2</sub>			

## 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	T <sup>a</sup> Softening	Melting point
				C°	C°	>1000 C°

## 6. GRANULOMETRIC DISTRIBUTION (WET WAY)

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

>10μ	>25μ	>40μ	>70μ	>120μ	D50μ
10.288	6.132	1.412	0.31	0	2.48

## 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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