

DATA SHEET

50105500 ARENA DE RUTILO

04/04/2025 v1.6

1. PRODUCT IDENTIFICATION

Description RUTILE (TiO2) CAS Nº: 1317-80-2

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	MnO	B ₂ O ₃	Bi ₂ O ₃	
K ₂ O	CdO	V ₂ O ₅	P ₂ O ₅	
MgO	CoO	MnO ₂	BeO	
CaO	NiO	SiO ₂	1,86	
SrO	Al ₂ O ₃	0,45	TiO ₂	96,17
BaO	Fe ₂ O ₃	0,76	ZrO ₂	0,76
PbO	Sb ₂ O ₃	SnO ₂		Pr ₂ O ₃

3 PHYSICAL-CHEMICAL PROPERTIES

Aspect Brown sand
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°	Tª Transformation	Tª Softening	Melting point
				C°	C°	C°

6. GRANULOMETRIC DISTRIBUTION (WET WAY)

* Data obtained by Malvern Instruments (Master Sizer 2000)

>10µ	>25µ	>40µ	>70µ	>120µ	D50µ
100	100	100	99.4	66.2	138.2

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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