

DATA SHEET

50105200 SILICATO ZIRCONIO ZIRCOSIL FIVE

20/05/2025 v1.3

1. PRODUCT IDENTIFICATION

Description ZIRCONIUM SILICATE ZrSiO₄.

Application Raw material in the ceramics industry. Opacifier.

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	HfO ₂	1,2
K ₂ O	CdO	V ₂ O ₅	P ₂ O ₅	LOI	0,1
MgO	CoO	MnO ₂	BeO		
CaO 0,09	NiO	SiO ₂ 32,32	CeO ₂		
SrO	Al ₂ O ₃ 1	TiO ₂ 0,18	CuO		
BaO	Fe ₂ O ₃ 0,08	ZrO ₂ 65,03	Pr ₂ O ₃		
PbO	Sb ₂ O ₃	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 C⁻¹

(25-300)C°	(50-300)C°	(300-500)C°	(500-600)C°	T ^a Transformation	T ^a 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
					1.7

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)



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