

DATA SHEET

50103900 'PENTOXIDO DE VANADIO

20/05/2025 v1.3

1. PRODUCT IDENTIFICATION

Description VANADIUM PENTOXIDE. V₂O₅.

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	0,24	MnO		B ₂ O ₃		Bi ₂ O ₃
K ₂ O	0,21	CdO		V ₂ O ₅	99,29	P ₂ O ₅
MgO		CoO		MnO ₂		BeO
CaO		NiO		SiO ₂	0,25	CeO ₂
SrO		Al ₂ O ₃		TiO ₂		CuO
BaO		Fe ₂ O ₃		ZrO ₂		Pr ₂ O ₃
PbO		Sb ₂ O ₃		SnO ₂		

3 PHYSICAL-CHEMICAL PROPERTIES

Aspect Orange 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°	Tª Transformation	Tª Softening	Melting point
				C°	C°	681 C°

6. GRANULOMETRIC DISTRIBUTION (WET WAY)

* Data obtained by Malvern Instruments (Master Sizer 2000)

>10µ	>25µ	>40µ	>70µ	>120µ	D50µ
76.2	45.5	38.3	31.3	21.3	20.7

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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