

Vanadium Pentoxide (V_2O_5) (Technical Grade)



CHEMISTRY

Major Elements		
	Min.	Max.
Vanadium (as V_2O_5)	99.2%	
Iron (Fe)		0.04%
Potassium (K)		0.015%
Sodium (Na)		0.025%
Silicon (Si)		0.015%


PHYSICAL CHARACTERISTICS

Nominal Size	
U.S. No. 20 x down (850 μ m x down)	
Physical Properties	
Melting Point:	1274 °F (690 °C)
Bulk Density:	75 – 82 lb/ft ³ (1.2 – 1.3 g/cc)
Specific Gravity:	Approx. 3.4
Appearance	
Yellow-Orange Powder	
Standard Packaging	
Super Sacks:	2,205 lbs. (1,000 kg)
55-Gallon Open-Head Steel Drum:	440 lbs. (200 kg)
16-Gallon Fibre Drum:	110 lbs. (50 kg)
12-Gallon Fibre Drum:	55 lbs. (25 kg)

Vanadium Pentoxide (V_2O_5) is a high-purity product produced at our ISO 9001:2015 certified Hot Springs, Arkansas facility. US Vanadium's vanadium pentoxide has an orthorhombic crystalline structure that increases reactivity in chemical applications.

Specification No. MC4 Revision No. 11

Issue Date: 06/01/89 Revision Date: 06/11/24

Director of Technology Approval 

Quality Manager Approval 