

Product Specification

Vanadium Pentoxide (V_2O_5) (Technical Grade)




CHEMISTRY

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

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. 12
Issue Date: 06/01/89	Revision Date: 01/16/26
Director of Technology Approval	
Quality Manager Approval	