

## Vanadium Trioxide (V<sub>2</sub>O<sub>3</sub>)



### CHEMISTRY

Major Elements		
	Min.	Max.
Vanadium (as V <sub>2</sub> O <sub>5</sub> )	119.5%	
Iron (Fe)		0.03%
Molybdenum (Mo)		0.05%
Potassium (K)		0.015%
Sodium (Na)		0.02%
Silicon (Si)		0.01%

### PHYSICAL CHARACTERISTICS

Nominal Size	
U.S. No. 20 x down (850 µm x down)	
Physical Properties	
<b>Melting Point:</b>	3578 °F (1970 °C)
<b>Bulk Density:</b>	75 – 82 lb/ft <sup>3</sup> (1.2 – 1.3 g/cc)
<b>Specific Gravity:</b>	Approx. 4.8
Appearance	
Black Powder	
Standard Packaging	
Super Sacks:	2,205 lbs. (1,000 kg)
55-Gallon Open-Head Steel Drum:	440 lbs. (200 kg)
12-Gallon Fibre Drum:	110 lbs. (50 kg)

*Vanadium Trioxide (V<sub>2</sub>O<sub>3</sub>)* is a high-purity product produced at our ISO 9001:2015 certified Hot Springs, Arkansas facility.

US Vanadium's vanadium trioxide is the highest purity vanadium trioxide in the world and is used in various alloys as well as chemical applications.

US Vanadium's vanadium trioxide has an orthorhombic crystalline structure that increases reactivity in chemical applications.

**Specification No. MC10 Revision No. 9**

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Director of Technology Approval



Quality Manager Approval

