

VS 10 (Vanadyl Sulfate Solution)



CHEMISTRY

Major Elements			
	Min.	Aim	Max.
Vanadium (Total)	9.7%	10%	10.3%
V Molarity	2.7	2.75	2.8
Valence	3.85	3.9	4.0
Sulfuric Acid Molarity	3.2	3.3	3.4
Iron (Fe)			0.15%
Potassium (K)			0.1%
Molybdenum (Mo)			0.1%
Sodium (Na)			0.15%


PHYSICAL CHARACTERISTICS

Physical Properties	
Specific Gravity:	1.38 – 1.47 g/cc
Bulk Density:	11.3 – 12.3 lbs/gal.
Appearance	
Dark Blue Viscous Solution	
Standard Packaging	
330-Gallon PE IBC Totes	

Vanadyl Sulfate Solution is a high-purity product produced at our ISO 9001:2015 certified Hot Springs, Arkansas facility.

US Vanadium's vanadyl sulfate solution is used in catalysts that remove sulfur during oil refining and other production processes.

Specification No. MC17 **Revision No. 7**
 Issue Date: 02/23/04 Revision Date: 02/11/25

Director of Technology Approval 

Quality Manager Approval 