

VOX10.5 (Vanadyl Oxalate Solution)



CHEMISTRY

Major Elements			
	Min.	Aim	Max.
Vanadium (V ₂ O ₅)	10.2%	10.5%	10.8%
Valence	3.8		4.0
V Molarity	1.2		1.4
Ammonia (NH ₃)			0.01%
Chloride (Cl)			0.01%
Iron (Fe)			0.01%
Molybdenum (Mo)			0.01%
Potassium (K)			0.01%
Sodium (Na)			0.01%
Silicon (Si)			0.01%
pH <2			
Decomposition Properties			
Emits Carbon Dioxide (CO ₂) Fumes			

PHYSICAL CHARACTERISTICS


Physical Properties	
Specific Gravity:	1.1 – 1.2 g/cc
Bulk Density:	9.2– 10.0 lbs./gal.
Appearance	
Dark Blue Solution	
Standard Packaging	
Bulk-Tanker 330-Gallon PE IBC Totes	

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

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

Specification No. MC16A Revision No. 1

Issue Date: 01/28/25 Revision Date: 02/11/25

Director of Technology Approval 

Quality Manager Approval 