

Ammonium Metavanadate (NH₄VO₃ or AMV)



CHEMISTRY

Major Elements		
	Min.	Max.
Vanadium (as V ₂ O ₅)	77.0%	
*Ammonium Metavanadate	99.0%	
Carbonate (CO ₃)		0.3%
Chloride (Cl)		0.2%
Iron (Fe)		0.013%
Molybdenum (Mo)		0.01%
Potassium (K)		0.01%
Sodium (Na)		0.01%
Silicon (Si)		0.01%
*Percent Ammonium Metavanadate is calculated from vanadium content.		

PHYSICAL CHARACTERISTICS

Nominal Size	
U.S. No. 20 x down (850 µm x down)	
Physical Properties	
Melting Range: Decomposes at about 302°F (180°C); Rapid decomposition occurs above this temperature	
Bulk Density:	75 – 82 lbs./ft ³ (1.2 – 1.3 g/cc)
Specific Gravity:	2.33
Appearance	
Ivory to Straw-Brown 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)
6.5-Gallon Plastic Pail:	55 lbs. (25 kg)

Ammonium Metavanadate (NH₄VO₃) is a high-purity product produced at our ISO 9001:2015 certified Hot Springs, Arkansas facility.

US Vanadium's ammonium metavanadate is a high-purity chemical used in a variety of applications, including chemical and environmental catalysts, Benfield and Stretford gas processing, coloring compounds and dye fixants.

Specification No. MC3 Revision No. 7

Issue Date: 06/01/89 Revision Date: 05/08/19

Director of Technology Approval



Quality Manager Approval

