

**Product Specification**

# Ammonium Metavanadate (NH<sub>4</sub>VO<sub>3</sub> or AMV)


**CHEMISTRY**


Major Elements		
	Min.	Max.
Vanadium (as V <sub>2</sub> O <sub>5</sub> )	77.0%	
*Ammonium Metavanadate	99.0%	
Carbonate (CO <sub>3</sub> )		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	
<b>Melting Range:</b> Decomposes at about 302°F (180°C); Rapid decomposition occurs above this temperature	
<b>Bulk Density:</b>	75 – 82 lbs./ft <sup>3</sup> (1.2 – 1.3 g/cc)
<b>Specific Gravity:</b>	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)
16-Gallon Fibre Drum:	110 lbs. (50 kg)
12-Gallon Fibre Drum:	55 lbs. (25 kg)
6.5-Gallon Plastic Pail: (US Only)	50 lbs.

**Ammonium Metavanadate (NH<sub>4</sub>VO<sub>3</sub>)** 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.

<b>Specification No. MC3</b>	<b>Revision No. 9</b>
Issue Date: 06/01/89	Revision Date: 06/11/24
Director of Technology Approval	
Quality Manager Approval	