

AAA MOLYBDENUM PRODUCTS, INC.

MOLYBDENUM AND RHENIUM CHEMICALS FOR INDUSTRY

SPECIFICATION SHEET

**AMMONIUM HEPTAMOLYBDATE (AHM)
ACS REAGENT GRADE
CAS Number: 12027-67-7, 12054-85-2**

DESCRIPTION

Ammonium Heptamolybdate (AHM) is a fine white crystalline powder represented by the chemical formula $(\text{NH}_4)_6\text{Mo}_7\text{O}_{24} \cdot 4\text{H}_2\text{O}$. The product is also known as Ammonium Paramolybdate and Ammonium Molybdate. Ammonium Heptamolybdate is distinguished by a very low trace impurity concentration and by the highest water solubility of any ammonium molybdate: 63.5 g/100 cm³ at 25°C.

ACS GRADE SPECIFICATIONS

	Specification (%)
Assay (MoO ₃)	81.0 – 83.0
Insoluble Matter	0.0050
Arsenate & Silicate (SiO ₂)	0.0010
Chloride (Cl)	0.0020
Heavy Metals (as Pb)	0.0010
Magnesium (Mg)	0.0001
Nitrate (NO ₃)	0.0001
Phosphate (PO ₄)	0.0001
Potassium (K)	0.0001
Sodium (Na)	0.0001
Sulfate (SO ₄)	0.0001