

AAA MOLYBDENUM PRODUCTS, INC.

MOLYBDENUM AND RHENIUM CHEMICALS FOR INDUSTRY

SPECIFICATION SHEET

SODIUM MOLYBDATE, DIHYDRATE ACS REAGENT GRADE CAS Number: 10102-40-6

DESCRIPTION

Crystalline Sodium Molybdate is represented by the chemical formula $\text{Na}_2\text{MoO}_4 \cdot 2\text{H}_2\text{O}$. It is also referred to as the dihydrate form. The water solubility at 25°C (77°F) is 39.6 weight percent (76 g/100 cm³). Water loss and decomposition starts at approximately 100°C (212°F) and the subsequent anhydrous form melts at 686°C (1267°F).

REAGENT GRADE SPECIFICATIONS

	Specification (%)
Assay ($\text{Na}_2\text{MoO}_4 \cdot 2\text{H}_2\text{O}$)	99.5
Insoluble Matter	<0.0050
pH of 5% Solution	7.0 to 10.5
Ammonium (NH_4)	<0.0010
Chloride (Cl)	<0.0050
Iron (Fe)	<0.0010
Heavy Metals (as Pb)	<0.0005
Phosphate (PO_4)	<0.0005
Sulfate (SO_4)	<0.0150