

# AAA MOLYBDENUM PRODUCTS, INC.

MOLYBDENUM AND RHENIUM CHEMICALS FOR INDUSTRY

## SPECIFICATION SHEET

### SODIUM MOLYBDATE, DIHYDRATE TECHNICAL 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 cm<sup>3</sup>). Water loss and decomposition starts at approximately 100°C (212°F) and the subsequent anhydrous form melts at 686°C (1267°F).

#### TECHNICAL GRADE SPECIFICATIONS

	Specification (%)
Assay ( $\text{Na}_2\text{MoO}_4 \cdot 2\text{H}_2\text{O}$ ) .....	99.5
Insoluble Matter .....	<0.0100
Loss on Ignition .....	15.34
pH of 5% Solution .....	7.0 to 10.5
Moisture .....	15.30
Chloride (Cl) .....	0.05
Heavy Metals (as Pb) .....	0.01
Phosphate ( $\text{PO}_4$ ) .....	0.03
Sulfate ( $\text{SO}_4$ ) .....	<0.05