

SPECIFICATION SHEET

**MOLYBDENUM TRIOXIDE
ACS REAGENT GRADE
CAS Number: 1313-27-5**

DESCRIPTION

Molybdenum Trioxide is a fine yellow crystalline powder that develops a bluish coloration as a result of superficial surface reduction. It is represented by the chemical formula MoO₃. The product is also known as Molybdenum Trioxide, Molybdic Acid Anhydride, and Molybdenum (VI) Oxide. It is very slightly soluble in water and very soluble in excess alkali with the formation of molybdates.

ACS REAGENT GRADE SPECIFICATIONS

**Specification
(%)**

Assay (MoO ₃)	>99.5
Insoluble Matter in dilute NH ₄ OH	<0.0100
Ammonium (NH ₄)	<0.0020
Arsenate & Silicate (as SiO ₂)	<0.0010
Chloride (Cl)	<0.0020
Heavy Metals (as Pb)	<0.0050
Nitrate (NO ₃)	<0.0030
Phosphate (PO ₄)	<0.0005
Sulfate (SO ₄)	<0.0200