

SPECIFICATION SHEET

**MOLYBDENUM TRIOXIDE
PURE 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 MoO_3 . The product is also known as Molybdenum Trioxide, Molybdic Acid Anhydride, and Molybdenum (VI) Oxide. The Pure Grade is also known as Pure Oxide Calcined (POC). It is very slightly soluble in water and very soluble in excess alkali with the formation of molybdates.

PURE GRADE SPECIFICATIONS	Specification (%)
Molybdenum (Mo)	66.63
Alkalies (Na & K)	0.0100
Aluminum (Al)	0.0015
Calcium (Ca)	0.0010
Chromium (Cr)	0.0010
Copper (Cu)	0.0015
Iron (Fe)	0.0015
Lead (Pb)	0.0005
Magnesium (Mg)	0.0010
Nickel (Ni)	0.0010
Silicon (Si)	0.0020
Tin (Sn)	0.0015
Titanium (Ti)	0.0010
Tungsten (W)	0.0150