

SPECIFICATION SHEET

MOLYBDENUM DIOXIDE

CAS Number: 18864-46-4

DESCRIPTION

Molybdenum Dioxide is a very fine reddish brown to brown crystalline powder represented by the chemical formula MoO₂. The product is also known as Molybdenum (IV) Oxide. It has a particle density of 6.4 gm/cc and is insoluble in water. There is no apparent melting point and it sublimes slowly at 1100°C.

SPECIFICATIONS	Specification (%)
Assay (MoO ₂)	54.27
Alkalies (Na & K)	0.0075
Aluminum (Al)	0.0015
Calcium (Ca)	0.0015
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)	0.0015
Titanium (Ti)	0.0010