

**SUBLIMED PURE MOLYBDIC OXIDE - UNDENSIIFIED
(POS-U)**

DESCRIPTION

Pure Molybdic Oxide (POS-U) is produced by sublimation process which provides a purity level of 99.90 % MoO₃ or higher. It is characterized by a very low trace element concentration of alkali metals, and is a free flowing pale blue-gray powder.

SPECIFICATIONS

Physical

| | |
|--------------------------|-------------------------|
| Average Particle Size | 2.5 microns |
| 99.9 % less than | 32 microns |
| Bulk Density | 23.7 lb/ft ³ |
| Solubility in water | 0.68g/100ml |
| Specific Gravity | 4.69 |
| Refractive Index | > 2.1 |
| pH of 10% Slurry | 2.9 |
| Loss on Ignition (600°C) | <0.1% |

Chemical

Formula MoO₃
Analysis (Theory)
Mo 66.53%
Other Elements (see POS)

Oil Absorption (ASTM D-281)

| | |
|--------------------|----------|
| Linseed Oil | 35g/100g |
| Diocetyl Phthalate | 41g/100g |

PACKAGING

Fiber drum 150 lb net

MSDS REQUIREMENTS

A copy of the material safety data sheet (MSDS) is available upon request.

QUALITY ASSURANCE

We are committed to the production of the highest quality Molybdenum products, to the continual improvement of our manufacturing processes, and long-term partnerships with our customers. To accomplish this, all our employees and suppliers work as a team, assuring strict conformance to this specification as well as customer requirements. A quality assurance system has been implemented. All conversion facilities are certified to ISO 9001.

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