

# **AAA** MOLYBDENUM PRODUCTS, INC.

MOLYBDENUM AND RHENIUM CHEMICALS FOR INDUSTRY

## *SPECIFICATION SHEET*

### **MOLYBDENUM TRIOXIDE 99.98% 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  $\text{MoO}_3$ . 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.

#### **99.98% GRADE SPECIFICATIONS**

|                                     | <b>Specification<br/>(%)</b> |
|-------------------------------------|------------------------------|
| Molybdenum ( $\text{MoO}_3$ ) ..... | 99.98                        |
| Alkalies (Na & K) .....             | 0.0050                       |
| Aluminum (Al) .....                 | 0.0005                       |
| Calcium (Ca) .....                  | 0.0005                       |
| Chromium (Cr) .....                 | 0.0005                       |
| Copper (Cu) .....                   | 0.0005                       |
| Iron (Fe) .....                     | 0.0005                       |
| Lead (Pb) .....                     | 0.0002                       |
| Magnesium (Mg) .....                | 0.0005                       |
| Nickel (Ni) .....                   | 0.0005                       |
| Silicon (Si) .....                  | 0.0005                       |
| Tin (Sn) .....                      | 0.0005                       |
| Titanium (Ti) .....                 | 0.0005                       |