



# NEWAY SINOPHC TECH. LIMITED

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## Certificate of Analysis

**Product Name:** Sodium Molybdate Dihydrate

### Product Information

Product Number: NaMo-CAS7631950-202502 Batch Number: NaMo-2028022001 Brand: SIGALD  
CAS Number: 7631-95-0 MDL Number: MFCD00149177 Formula:  $\text{Na}_2\text{MoO}_4 \cdot 2\text{H}_2\text{O}$  Formula Weight:  
241.95 g/mol Quality Release Date: 20 FEB 2025

| Test Item                      | Specification<br>(Industrial Standard)                      | Result                   | Test Method                          |
|--------------------------------|---|--------------------------|--------------------------------------|
| Appearance                     | White crystalline powder/crystals, no mechanical impurities | White crystalline powder | Visual Inspection                    |
| Purity (by Titration)          | $\geq 99.0\%$   | 99.6%                    | EDTA Titration (GB/T 1601-2018)      |
| Mo Content (Calculated)        | $\geq 39.0\%$   | 39.3%                    | Based on Purity Test                 |
| Loss on Drying (110°C)         | 13.0-15.0%  | 14.2%                    | Gravimetric Method (GB/T 6284-2016)  |
| pH Value (25°C, 5% Aqueous)    | 6.0-8.0   | 7.2                      | pH Meter                             |
| Heavy Metals (Pb)              | $\leq 0.0005\%$   | 0.0002%                  | Atomic Absorption Spectrometry (AAS) |
| Chloride ( $\text{Cl}^-$ )     | $\leq 0.01\%$   | 0.003%                   | Silver Nitrate Titration             |
| Sulfate ( $\text{SO}_4^{2-}$ ) | $\leq 0.05\%$   | 0.012%                   | Barium Sulfate Turbidimetry          |
| Insoluble Matter in Water      | $\leq 0.01\%$   | 0.002%                   | Gravimetric Method                   |

This batch of product has been tested in accordance with industrial standards for sodium molybdate and meets all specified requirements. It is qualified for use. Issue Date: 20 FEB 2025