



**ChemPure* Brand
Chemicals**

December 18, 2025

...Pure Quality

Certificate of Analysis

Product Name: **Ammonium Molybdate Tetrahydrate**

Synonym: Ammonium heptamolybdate tetrahydrate, Molybdic acid ammonium salt tetrahydrate

Grade/Application: ACS reagent, 81.0-83.0% MoO₃ basis

Catalog No: CP-A1195D

CAS No: 12054-85-2

EC No: 234-320-9

Retest: Dec 17, 2029

Storage: Dry - RT

Linear Formula: (NH₄)₆Mo₇O₂₄ · 4H₂O

Molecular Weight: 1235.86

MDL No: MFCD00167059

PubChem Substance ID: 329770925

Specifications (Max Limits or as Specified)	Pass/Fail	Numerical Results
Assay (as MoO ₃) (%) 81.0 - 83.0 %	Pass	82.6
Insoluble 0.005 % Max	Pass	< 0.006
Chloride 0.002 % Max	Pass	< 0.002
Nitrate	Pass	Passes Test
Arsenate, phosphate, and silicate (%) 0.001 % Max	Pass	< 0.001
Phosphate 0.0005 % Max	Pass	< 0.0005
Sulfate 0.02 % Max	Pass	< 0.02
Heavy Metals (by ICP-OES) 0.001 % Max	Pass	< 0.001
Magnesium 0.005 % Max	Pass	< 0.005
Potassium 0.01 % Max	Pass	< 0.01
Sodium 0.01 % Max	Pass	< 0.01

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