

Product Specification

Product Name: AMMONIUM MOLYBDATE Tetrahydrate AR

Alternate Name(s) Ammonium heptamolybdate

Description

White to yellow crystalline solid.

Properties

Chemical Formula: $(\text{NH}_4)_6\text{Mo}_7\text{O}_{24}\cdot 4\text{H}_2\text{O}$

Molecular Weight: 1235.86

Product Code: AA084

CAS No. 12054-85-2

General Information:

Insoluble in alcohol. Non-flammable.

Hazard and Safety Data

UN Group: None Allocated

Class: None Allocated

UN Number: None Allocated

Hazchem code: None Allocated

CS MSDS Code: 1CH13

Poison schedule: Not Scheduled

Emergency

Procedure Guide No.: N/A

Quality Specification

Assay: 81.0-83.0% as MoO₃

Specific Properties and Impurities [Typical levels]:

Insoluble matter	≤ 0.005%
Chloride (Cl)	≤ 0.002%
Nitrate (NO ₃)	Passes test
Arsenate, phosphate and silicate (as SiO ₂)	≤ 0.001%
Phosphate (PO ₄)	≤ 0.0005%
Sulfate (SO ₄)	≤ 0.02%
Heavy metals (as Pb)	≤ 0.001%
Magnesium (Mg)	≤ 0.005%
Sodium (Na)	≤ 0.01%
Potassium (K)	≤ 0.01%

CONFORMS TO ACS

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