

Ammonium heptamolybdate tetrahydrate, Pharmpur®, USP**Identification**

$(\text{NH}_4)_6\text{Mo}_7\text{O}_{24}\cdot 4\text{H}_2\text{O}$
M = 1235,86 g/mol
CAS [12054-85-2]
EC number: 234-722-4
Taric code: 2841 70 00

Synonyms

Ammonium molybdate, Hexammonium heptamolybdate 4-hydrate

Applications

photography, in porcelain industry, analytical chemistry, in pharma industry.

Specifications

assay $[(\text{NH}_4)_6\text{Mo}_7\text{O}_{24}\cdot 4\text{H}_2\text{O}]$	99,3 - 101,8 %	nitrates (NO_3).....	passes test
identification.....	passes test	phosphates, arseniates, silicates (as PO_4).....	max. 10 ppm
insoluble substances.....	max. 0,005 %	phosphates (as PO_4).....	max. 5 ppm
chlorides (Cl).....	max. 20 ppm	sulfates (SO_4).....	max. 200 ppm
		magnesium and alkaline salts.....	max. 0,02 %

Physical data

- Appearance: crystals, white
- Spec. Density: 2,5 g/cm³
- Bulk density: ~ 800 kg/m³
- Solub. in water: (20 °C): 400 g/l
- Melting point: 90 °C (release of crystalline water)
- pH(50 g/l H₂O, 20°C) ~ 5,3

Transport/storage

- 10°C - 30°C