

**Sodium molybdate dihydrate, Pharmapur®, Ph Eur, BP****Identification**

$\text{Na}_2\text{MoO}_4 \cdot 2\text{H}_2\text{O}$   
M = 241,95 g/mol  
CAS [10102-40-6]  
EC number: 231-551-7  
Taric code: 2841 70 00

**Applications**

analytical chemistry, laboratory reagent, for determination of: phosphates; reagent for the following substances detection: alkaloids; for the synthesis of: pigment; corrosion inhibitor, nutrient media for bacterial culture, in pharma industry.

**Specifications**

assay (redox, referred to dried sample).....	98,0 - 100,5 %	chlorides (Cl).....	max. 50 ppm
identification.....	passes test	phosphates (as $\text{PO}_4$ ).....	max. 200 ppm
appearance of solution.....	clear and colourless	ammonium ( $\text{NH}_4$ ).....	max. 10 ppm
		loss on drying (140 °C, 3h).....	14,0 - 16,0 %

**Physical data**

- Appearance: Crystals, Colourless
- Spec. Density: 3,6 g/cm<sup>3</sup>
- Bulk density: ~ 1000 kg/m<sup>3</sup>
- Solub. in water: (20 °C): 840 g/l
- pH(50 g/l H<sub>2</sub>O, 20 °C) 7,9 - 10,3

**Transport/storage**

- 10°C - 30°C