

**Sodium molybdate dihydrate, for analysis, ExpertQ®, ACS, Reag. Ph  
Eur****Identification**

Na<sub>2</sub>MoO<sub>4</sub>·2H<sub>2</sub>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.

**Specifications**

assay (permanganometric).....	99,5 - 103,0 %	phosphates (as PO <sub>4</sub> ).....	max. 5 ppm
identity (IR-spectrum).....	passes test	sulfates (SO <sub>4</sub> ).....	max. 0,005 %
insoluble in water.....	max. 0,005 %	ammonium (NH <sub>4</sub> ).....	max. 0,001 %
pH (5 %, H <sub>2</sub> O).....	7,0 - 10,5	heavy metals (as Pb).....	max. 5 ppm
chlorides (Cl).....	max. 0,005 %	iron (Fe).....	max. 0,001 %
nitrites (NO <sub>2</sub> ).....	max. 0,005 %	lead (Pb).....	max. 0,001 %

**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