

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

Specifications

assay (permanganometric).....	99,5 - 103,0 %	phosphates (as PO_4).....	max. 5 ppm
identity (IR-spectrum).....	passes test	sulfates (SO_4).....	max. 0,005 %
insoluble in water.....	max. 0,005 %	ammonium (NH_4).....	max. 0,001 %
pH (5 %, H_2O).....	7,0 - 10,5	heavy metals (as Pb).....	max. 5 ppm
chlorides (Cl).....	max. 0,005 %	iron (Fe).....	max. 0,001 %
nitrates (NO_3).....	max. 0,005 %	lead (Pb).....	max. 0,001 %

Physical data

- Appearance: Crystals, Colourless
- Spec. Density: $3,6 \text{ g/cm}^3$
- Bulk density: $\sim 1000 \text{ kg/m}^3$
- Solub. in water: (20 °C): 840 g/l
- pH(50 g/l H_2O , 20 °C) 7,9 - 10,3

Transport/storage

- 10°C - 30°C