



**PRODUCT CODE: 131701**

**Sodium Molybdate 2-hydrate (Reag. USP, Ph. Eur.) for analysis, ACS**

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$\text{MoNa}_2\text{O}_4 \cdot 2\text{H}_2\text{O}$

$\text{Na}_2\text{MoO}_4 \cdot 2\text{H}_2\text{O}$

M.= 241,95

CAS [10102-40-6]

EINECS 231-551-7

TARIC 2841 70 00 90

**PHYSICAL DATA:** crystalline powder, White, Soluble in water 560 g/l at 20 °C D 3,28 • pH(5% solution)8 - 10 •

**BIBLIOGRAPHY:** Merck Index **12**, 8.790 13, 8.718 Sax **DXE875** • Safety **2**, **3147 C** • Römp **8**, **2740** • Fieser **15294** • ACS **XI** • BP.**2021** • Ph. Eur. **9.0** (2017) **10.0** (2020) 6.3 •

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**HAZARDOUS:** RTECS: QA 5085000 • TDLo oral rat 401 mg/kg • LD L0 ipr rat 245 mg/kg LD50 ipr mus 257 mg/kg LD50 ipr rat 520 mg/kg TLV-TWA (Mo) 5 mg/m<sup>3</sup> VLA-ED (Mo) 5 mg/m<sup>3</sup>

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**SPECIFICATIONS:**

Assay (Compl.) 99,5-103,0%

pH of 5% solution 7,0-10,5

**Maximum limit of impurities**

Appearance passes test

Insoluble matter in H<sub>2</sub>O 0,005 %

Chloride (Cl) 0,005%

Ammonium (NH<sub>4</sub>) 0,001%

Phosphate (PO<sub>4</sub>) 0,0005 %

Sulfate (SO<sub>4</sub>) 0,015%

Identification positive

Heavy metals (as Pb) 0,0005%

Ca 0,001 %

Cd	0,0005	%
Co	0,0005	%
Cr	0,0005	%
Cu	0,0005	%
Fe	0,0005	%
K	0,05	%
Mg	0,001	%
Mn	0,0005	%
Ni	0,0005	%
Pb	0,0005	%
Zn	0,0005	%