

MOLECULAR SIEVE

- Synonyms: Sodium aluminium silicate
- Solub. in water: (20 °C): insoluble

- LD 50 (oral, rat): > 5110 mg/kg
- Tariff number: 3824 90 15 90

- Applications: analytical chemistry, stabilizer, complexant agent.

TA0140 Molecular sieve 3 Å, pearl-shaped, 2 - 3 mm

pore diameter 3 Å

ART. NO.	VOLUME	CONTAINER
TA01400250	250 g	☐

ART. NO.	VOLUME	CONTAINER
TA01401000	1 kg	☐

TA0141 Molecular sieve 4 Å, pearl-shaped, 2 - 3 mm

pore diameter 4 Å

ART. NO.	VOLUME	CONTAINER
TA01410250	250 g	☐

ART. NO.	VOLUME	CONTAINER
TA01411000	1 kg	☐

MOLYBDENUM

MO0025 Molybdenum, powder, EssentQ®

- Mo
- M = 95,94 g/mol
- CAS [7439-98-7]
- EINECS-No.: 231-107-2
- Solub. in water: (20 °C): insoluble
- Melting point: ~ 2620 °C
- Tariff number: 8102 10 00 00

- Applications: laboratory reagent, in building materials, in the electronic industry, in lubricant compositions, metal alloys, catalyst (in the petroleum industry).

assaymin. 99 %

ART. NO.	VOLUME	CONTAINER
MO00250100	100 g	☐

MOLYBDENUM(VI) OXIDE

MO0050 Molybdenum(VI) oxide, EssentQ®



- Synonyms: Molybdic acid anhydride, Molybdenum trioxide
- MoO₃
- M = 143,94 g/mol
- CAS [1313-27-5]
- EINECS-No.: 215-204-7
- Solub. in water: (20 °C): ~ 0,5 g/l
- Melting point: 795 °C
- Boiling point: 1155 °C
- LD 50 (oral, rat): 2689 mg/kg
- EC-Index-No.: 042-001-00-9
- ADR: 6.1 T5 III UN 3288
- IMDG: 6.1 III UN 3288
- IATA/ICAO: 6.1 III UN 3288
- GHS-signal word: Warning

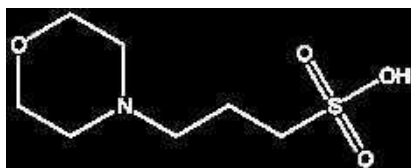
- GHS-H sentences: H351 - H319 - H335
- GHS-P sentences: P261 - P280 - P281 - P305 + P351 + P338 - P405 - P501a
- Tariff number: 2825 70 00 00
- Applications: analytical chemistry, laboratory reagent.
- Appearance: Yellow to green solid

assay (complexometric)min. 99 %
 insoluble in NH₄OHmax. 0,05 %
 chlorides (Cl)max. 0,005 %
 phosphates, arseniates,
 silicates (as PO₄)max. 0,002 %
 sulfates (SO₄)max. 0,01 %
 ammonium (NH₄)max. 0,01 %
 copper (Cu)max. 0,002 %
 iron (Fe)max. 0,002 %
 lead (Pb)max. 0,002 %
 nickel (Ni)max. 0,002 %

ART. NO.	VOLUME	CONTAINER
MO00500250	250 g	☐

MOPS

MO0070 MOPS, molecular biology grade



- Synonyms: 3-(N-Morpholino)propanesulfonic acid
- C₇H₁₃NO₃S
- M = 209,26 g/mol
- CAS [1132-61-2]
- EINECS-No.: 214-478-5
- Solub. in water: (20 °C): 1000 g/l
- Melting point: 277 - 282 °C
- GHS-signal word: Warning
- GHS-H sentences: H315 - H319 - H335
- GHS-P sentences: P261 - P280 - P305 + P351 + P338 - P321 - P405 - P501a
- Tariff number: 2934 99 90 90
- Applications: in buffer solutions (for biology), laboratory reagent.

assay (potentiometric)min. 99 %
 identity (IR-spectrum)passes test
 absorbance of an aqueous solution
 0,1 M in a 1 cm cell at 260 nmmax. 0,05 AU
 absorbance of an aqueous solution
 0,1 M in a 1 cm cell at 280 nmmax. 0,05 AU
 heavy metals (as Pb)max. 5 ppm
 DNases, RNases, Proteasesnon detected

ART. NO.	VOLUME	CONTAINER
MO00700100	100 g	☐
MO00700500	500 g	☐