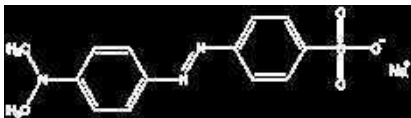


METHYL ORANGE, SOLUTION 0,04%

AN0075 Methyl orange, solution 0,04%, indicator

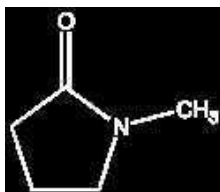


- Synonyms: Helianthine, 4-Dimethylaminoazobenzene-4'-sulfonic acid sodium salt, Gold orange
- $C_{14}H_{14}N_3NaO_3S$
- CAS [547-58-0]
- EINECS-No.: 208-925-3
- Density: ~ 1,0 g/cm³
- Tariff number: 2927 00 00 90
- Applications: analytical chemistry, laboratory reagent, indicator, for biology.

pH range (red-orange) 3,1 - 4,4

ART. NO.	VOLUME	CONTAINER
AN00750250	250 ml	0

1-METHYL-2-PYRROLIDONE



- Synonyms: N-Methylpyrrolidone, N-Methyl-2-pyrrolidone, NMP
- C_5H_9NO
- $M = 99,13$ g/mol
- CAS [872-50-4]
- EINECS-No.: 212-828-1
- Density: 1,03 g/cm³
- Solub. in water: (20 °C): miscible
- Melting point: -24 °C
- Boiling point: 202 °C
- Flash pt. 91 °C
- Ignition temp.: 245 °C

- Vapour pressure: (20 °C) 0,32 hPa
- Refraction index: (n 20 °C/D) 1,4684
- Dielectric const.: (25 °C) 33
- LD 50 (oral, rat): 3598 mg/kg
- EC-Index-No.: 606-021-00-7
- GHS-signal word: Danger
- GHS-H sentences: H360D - H315 - H319 - H335
- GHS-P sentences: P261 - P280 - P305 + P351 + P338 - P321 - P405 - P501a
- Tariff number: 2933 79 00 90
- Applications: analytical chemistry, chromatography, synthesis of organic products.

ME0494 1-Methyl-2-pyrrolidone, EssentQ®



assay (G.C.) min. 99 %
 identity (IR-spectrum) passes test
 water (K.F.) max. 0,1 %

ART. NO.	VOLUME	CONTAINER
ME04941000	1 l	0
ME04942500	2,5 l	0
ME0494005L	5 l	0

ART. NO.	VOLUME	CONTAINER
ME0494025L	25 l	0
ME0494200L	200 l	0

ME0495 1-Methyl-2-pyrrolidone, extra pure, Pharmpur®, Ph Eur, BP



identification passes test
 appearance of solution clear and colourless
 clarity and colour of solution passes test
 alkalinity passes test
 related substances passes test

water (K.F.) max. 0,1 %
 Elemental impurities are analysed according to guideline CHMP/ICH/353369/2013.
 Residual solvents are analysed according to guideline CPMP/ICH/283/95.

ART. NO.	VOLUME	CONTAINER
ME04951000	1 l	0
ME04952500	2,5 l	0
ME0495025A	25 l	0

ME0496 1-Methyl-2-pyrrolidone, ExpertQ®, for analysis, ACS



assay (G.C.) min. 99,5 %
 identity (IR-spectrum) passes test
 density (20°/20°) about 1,028
 colour (Hazen) max. 50
 chlorides (Cl) max. 1 ppm

free amines (as CH_3NH_2) max. 0,01 %
 water (K.F.) max. 0,05 %

ART. NO.	VOLUME	CONTAINER
ME04961000	1 l	0
ME04962500	2,5 l	0
ME0496025A	25 l	0

ME0503 1-Methyl-2-pyrrolidone, GC head space grade



assay (G.C.) min. 99,9 %
 refractive index n₂₀/D 1,468 - 1,471
 water (K.F.) max. 0,03 %
 Packed under inert gas Suitable for residual solvents analysis Residual solvents are analysed according to guideline CPMP/ICH/283/95. Class 1 solvents excluded by production process. Class 2 and class 3 solvents likely to be present below following limits
 dichloromethane 0,6 mg/l
 tert-Butyl methyl ether 1 mg/l
 acetone 1 mg/l
 methanol 1 mg/l
 tetrahydrofuran 0,7 mg/l
 n-Hexane 0,3 mg/l
 ethyl acetate 1 mg/l
 ethanol 1 mg/l
 cyclohexane 1 mg/l

acetonitrile 0,4 mg/l
 2-propanol 1 mg/l
 isopropyl acetate 1 mg/l
 n-Propanol 1 mg/l
 n-Heptane 1 mg/l
 methylcyclohexane 1 mg/l
 1,4-Dioxane 0,4 mg/l
 toluene 0,9 mg/l
 pyridine 1 mg/l
 n-Butanol 1 mg/l
 butyl acetate 1 mg/l
 ethylbenzene 1 mg/l
 p-Xylene 1 mg/l
 m-Xylene 1 mg/l
 o-Xylene 1 mg/l
 benzene (G.C.) absence

ART. NO.	VOLUME	CONTAINER
ME05032500	2,5 l	0
ME05031000	1 l	0