### ME0490 Methyl isobutyl ketone, EssentQ®

assay (G.C.) . . . . . min. 99 %
identity (IR-spectrum) . . . . . .passes test
density (20°/4°). . . . . 0,800 - 0,802
residue on evaporation . . . . . .max. 0,005 %
water (K.F.). . . . . max. 0,1 %

| ART. NO. | VOLUME | CONTAINER |
|---|---|---|
| ME04901000 | 1 l | |
| ME04902500 | 2,5 l | |

| ART. NO. | VOLUME | CONTAINER |
|---|---|---|
| ME0490005L | 5 l | |
| ME0490025A | 25 l | |

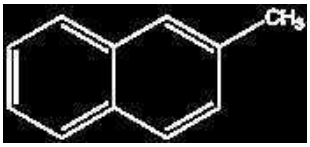
### ME0493 Methyl isobutyl ketone, ExpertQ®, for analysis, ACS

assay (G.C.) . . . . . min. 99,5 %
identity (IR-spectrum) . . . . . .passes test
density (20°/4°). . . . . 0,800 - 0,802
appearance . . . . . clear
colour (Hazen) . . . . . max. 10
acidity . . . . . max. 0,002 meq/g
alkalinity. . . . . max. 0,001 meq/g
aluminium (Al) . . . . . .max. 0,5 ppm
barium (Ba) . . . . . .max. 0,1 ppm
boron (B) . . . . . .max. 0,02 ppm
cadmium (Cd) . . . . . .max. 0,05 ppm
calcium (Ca). . . . . .max. 0,5 ppm
chromium (Cr) . . . . . .max. 0,02 ppm
cobalt (Co) . . . . . .max. 0,02 ppm
copper (Cu) . . . . . .max. 0,02 ppm
iron (Fe) . . . . . .max. 0,1 ppm
lead (Pb). . . . . .max. 0,1 ppm
magnesium (Mg) . . . . . .max. 0,1 ppm
manganese (Mn) . . . . . .max. 0,02 ppm
nickel (Ni) . . . . . .max. 0,02 ppm
tin (Sn) . . . . . .max. 0,1 ppm
zinc (Zn) . . . . . .max. 0,1 ppm
substances reducing $KMnO_4$ . . . . . .passes test
residue on evaporation . . . . . .max. 0,0005 %
water (K.F.). . . . . .max. 0,05 %

| ART. NO. | VOLUME | CONTAINER |
|---|---|---|
| ME04931000 | 1 l | |
| ME04932500 | 2,5 l | |

## 2-METHYLNAPHTHALENE

### ME0514 2-Methylnaphthalene, EssentQ®



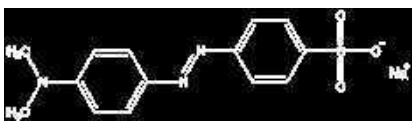

- $C_{11}H_{10}$
- M = 142,20 g/mol
- CAS [91-57-6]
- EINECS-No.: 202-078-3
- Solub. in water: (20°C): insoluble
- Melting point: 32 - 35°C
- Boiling point: 242°C
- Flash pt. 98 °C
- LD 50 (oral, rat): 1630 mg/kg
- ADR: 9 M7 III UN 3077
- IMDG: 9 III UN 3077
- IATA/ICAO: 9 III UN 3077
- GHS-signal word: Warning
- GHS-H sentences: H302 - H411
- GHS-P sentences: P273 - P264 - P270 - P330 - P391 - P501a
- Tariff number: 2902 90 90 00
- Applications: synthesis of organic products, laboratory reagent.

assay (G.C.) . . . . . .min. 98 %
identity (IR-spectrum) . . . . . .passes test

| ART. NO. | VOLUME | CONTAINER |
|---|---|---|
| ME05140250 | 250 g | |

## METHYL ORANGE, C.I. 13025

### AN0073 Methyl orange, C.I. 13025, indicator, ExpertQ®, for analysis, ACS



- Synonyms: Helianthine, 4-Dimethylaminoazobenzene-4'-sulfonic acid sodium salt, Gold orange
- $C_{14}H_{14}N_3NaO_3S$
- M = 327,34 g/mol
- CAS [547-58-0]
- EINECS-No.: 208-925-3
- Solub. in water: (20 °C): ~ 5 g/l
- LD 50 (oral, rat): 60 mg/kg
- ADR: 6.1 T2 III UN 2811
- IMDG: 6.1 III UN 2811
- IATA/ICAO: 6.1 III UN 2811
- GHS-signal word: Danger
- GHS-H sentences: H301
- GHS-P sentences: P264 - P270 - P321 - P330 - P405 - P501a
- Tariff number: 2927 00 00 90
- Applications: indicator, analytical chemistry, laboratory reagent (alkali salts), manufacture of dyes (in the textile industry).
- Appearance: Orange crystalline powder

appearance of solution . . . . . .passes test
pH range (pink to orange-yellow) . . . . . 3,2 - 4,4
visual transition interval . . . . . .passes test
Absorption maximum $\lambda_2$ (pH 4,4) . . . . . 467 - 471 nm
Absorption maximum $\lambda_1$ (pH 3,1) . . . . . 501 - 504 nm
Absorptivity (A1%/1 cm; $\lambda_1$; pH 3,1
on dried sample) . . . . . 1050 - 1150
Absorptivity (A1%/1 cm; $\lambda_2$; pH 4,4
on dried sample) . . . . . 750 - 850
loss on drying (110°C) . . . . . max. 5 %

| ART. NO. | VOLUME | CONTAINER |
|---|---|---|
| AN00730050 | 50 g | |
| AN00730100 | 100 g | |
| AN00730500 | 500 g | |