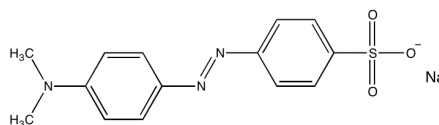


Methyl orange, C.I. 13025, indicator, for analysis, ExpertQ®, ACS

Identification

$C_{14}H_{14}N_3NaO_3S$
M = 327,34 g/mol
CAS [547-58-0]
EC number: 208-925-3
Tatic code: 2927 00 00



Synonyms

Helianthine, 4-Dimethylaminoazobenzene-4'-sulfonic acid sodium salt, Gold orange

Applications

indicator, analytical chemistry, laboratory reagent (alkali salts), manufacture of dyes (in the textile industry).

Specifications

appearance of solution.....	passes test	Absorption maximum I1 (pH 3,1)	501 - 504 nm
pH range (pink to orange-yellow)	3,2 - 4,4	Absorptivity (A1%/1 cm; I1; pH 3,1 on dried sample)	1050 - 1150
visual transition interval.....	passes test	Absorptivity (A1%/1 cm; I2; pH 4,4 on dried sample)	750 - 850
Absorption maximum I2 (pH 4,4)	467 - 471 nm	loss on drying (110 °C).....	max. 5 %

Physical data

- Appearance: powder, red
- Bulk density: ~ 200 - 400 kg/m³
- Solub. in water: (20 °C): ~ 5 g/l
- pH(5 g/l H₂O, 20 °C) ~ 6,5

Safety - GHS

Signal Word: Danger

Hazard Statements:

H301: Toxic if swallowed.



Precautionary Statements:

- P264: Wash thoroughly after handling.
P270: Do not eat, drink or smoke when using this product.
P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P321: Specific treatment (see on this label).
P405: Store locked up.
P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

Transport/storage

- ADR: 6.1 T2 III • UN 2811 • TOXIC SOLID, ORGANIC, N.O.S. (Methyl orange, C.I. 13025)
- IMDG: 6.1 III • UN 2811 • TOXIC SOLID, ORGANIC, N.O.S. (Methyl orange, C.I. 13025)
- IATA/ICAO: 6.1 III • UN 2811 • TOXIC SOLID, ORGANIC, N.O.S. (Methyl orange, C.I. 13025)
- PAX: 655
- CAO: 619
- 5°C - 30°C