



Product Specification

Product Name: METHYL ORANGE Sodium salt AR

Alternate Name(s) Tropaeolin D; sodium p-dimethylaminoazobenzenesulfonate; p-dimethylaminoazobenzenesulfonic acid sodium salt; methyl orange sodium
Description
Orange-yellow powder. pH indicator.

Properties

Chemical Formula: $C_{14}H_{14}N_3NaO_3S$
Molecular Weight: 327.34

Product Code: MA052
CAS No. 547-58-0

General Information:

Soluble in hot water. Practically insoluble in alcohol. Combustible.

Hazard and Safety Data

UN Group: III
Class: 6.1
UN Number: 2811
Hazchem code: 2X
CS MSDS Code: 1CH4I
Poison schedule: Not Scheduled
Emergency
Procedure Guide No.: 36

Quality Specification

Assay:

Specific Properties and Impurities [Typical levels]:

Solubility in Water (20 °C) ~5 g/l
pH Value (5 g/l, H₂O, 20 °C) ~6.5
Clarity of solution Passes test
Visual transition interval From pH 3.2 (pink)
to pH 4.4 (yellow)

Use:

As indicator in 0.1% aq. soln. Employed for titrating most mineral acids, strong bases, estimating alkalinity of waters; useless for organic acids. In dyeing and printing of textiles.

CONFORMS TO ACS

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38 - 50 Bedford Street, Gillman SA 5013, Australia ABN 19 008 264 211 PO Box 201, Port Adelaide SA 5015, Australia
Telephone +61 8 8440 2000 Fax +61 8 8440 2001 E-mail: sales@chemsupply.com.au Web: www.chemsupply.com.au

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