



UNISOURCE CHEMICALS PRIVATE LIMITED

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AN ISO 9001:2015 & GMP CERTIFIED COMPANY

Product Information

TECHNICAL DATA SHEET / Specification Sheet

Methyl red

Synonym	: Acid red 2; 4-Dimethylaminoazobenzene-2'-carboxylic acid
Molecular Formula	: C ₁₅ H ₁₅ N ₃ O ₂
Molecular Weight	: 269.30
CAS No.	: 493-52-7
Colour Index No.	: 13020
Shelf Life	: 5 years

Technical Specification

Appearance	: Dark red to maroon to purple crystals or powder
Solubility	: 20 ppm in methanol yields clear solution
Visual pH Transition	: pH 4.20 (pink)- pH 6.20 (yellow)
FTIR (KBr disc)	: Matches with the standard pattern
Absorption maxima	: 405 - 415 nm (20 ppm in methanol)
Loss on drying (at 110°C, 1 hr)	: ≤ 5.00%