

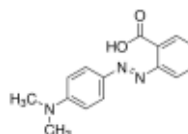
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## Product Specification

Product Name:  
Methyl Red – ACS reagent, crystalline

Product Number: 250198  
CAS Number: 493-52-7  
MDL: MFCD00002425  
Formula: C<sub>15</sub>H<sub>15</sub>N<sub>3</sub>O<sub>2</sub>  
Formula Weight: 269.30 g/mol



| TEST  | Specification             |
|---|---------------------------|
| Appearance (Color)  | Conforms to Requirements  |
| Dark Red to Maroon to Purple  |                           |
| Appearance (Form)   | Conforms to Requirements  |
| Powder or Crystalline Powder  |                           |
| Melting Point   | 179 - 182 °C              |
| Infrared spectrum   | Conforms to Structure     |
| Solubility (Turbidity)  | Pass                      |
| 0.1%, Ethanol   |                           |
| Clear Solution With Only A Faint Trace of Turbidity or Insoluble Matter |                           |
| Visual Interval   | Pass                      |
| pH 4.2 = Pink   |                           |
| Visual Interval   | Pass                      |
| pH 5.5 = Orange   |                           |
| Visual Interval   | Pass                      |
| pH 6.2 = Yellow   |                           |
| Meets ACS Requirements  | Current ACS Specification |

Specification: PRD.1.ZQ5.10000021108

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at [Sigma-Aldrich.com](http://Sigma-Aldrich.com). For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.