

## Certificate of Analysis

Date of Testing: 2025-01-21 14:11:33  
Date of Next Testing: 2029-01-20 14:11:33  
Product Name: **Methyl orange**  
CAS Number: 547-58-0  
Specifications & Purity: ACS, ≥85%  
Lot #: A2514481  
SKU #: **M101228**  
Version: **0**  
Analysis #: **466196**

Parameter	Limit Values	Result
Nitrogen by Elemental Analysis	10.9-14.8 (%)	11.25 %
Carbon by Elemental Analysis	43.7-59.1 (%)	45.60 %
Dye Content	85-100 (%)	99.36 %
Appearance (M101228)	orange powder	orange powder
Infrared spectrum	Conforms to Structure	Conforms to Structure
Visual Interval,pH 3.0 = Pink or Red	Conforms	Conforms
Visual Interval,pH 3.2 = Pinkish-Orange	Pass	Pass
Visual Interval,pH 4.4 = Yellow	Pass	Pass



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QA & QC Manager