

Certificate of Analysis

Date of Testing: 2023-02-14 19:05:33

Date of Next Testing: 2027-02-13 19:05:33

Product Name: **Methyl Red sodium salt**

CAS Number: 845-10-3

Specifications & Purity: ACS reagent,95 %

Lot #: B2309294

SKU #: **M102297**

Analysis: **046154**

Storage Temperature: Protected from light,Desiccated

Parameter	Limit Values	Result
Extinction Coefficient λ :256 - 260 nm	≥ 8000	9000.00
Extinction Coefficient λ :430 - 440 nm	≥ 17000	18000.00
Purity	95-100 (%)	98.99 %
Appearance (M102297)	red to brown powder	red to brown powder
Infrared spectrum	Conforms to Structure	Conforms to Structure
PH color field visual transition interval	pH 4.2 (red) to pH 6.2 (yellow)	pH 4.2 (red) to pH 6.2 (yellow)
Solubility in H ₂ O , clear(0.1% in water)	pass	Pass
Visual transition interval,H 5.5 Orange	Conforms	Conforms



John Su
QA & QC Manager