

## Certificate of Analysis

Date of Testing: 2023-05-06 13:35:38

Date of Next Testing: 2027-05-05 13:35:38

Product Name: **Methyl Red sodium salt**

CAS Number: 845-10-3

Specifications & Purity: ACS reagent,95 %

Lot #: G1915193

SKU #: **M102297**

**Analysis:** **218275**

Storage Temperature: Protected from light,Desiccated

| Parameter                                             | Limit Values                    | Result                          |
|-------------------------------------------------------|---------------------------------|---------------------------------|
| Extinction Coefficient $\lambda$ :256 - 260 nm        | $\geq 8000$                     | 8056.00                         |
| Extinction Coefficient $\lambda$ :430 - 440 nm        | $\geq 17000$                    | 17121.00                        |
| Purity                                                | 95-100 (%)                      | 96.50 %                         |
| 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 <sub>2</sub> O , clear(0.1% in water) | pass                            | Pass                            |
| Visual transition interval,H 5.5 Orange               | Conforms                        | Conforms                        |



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