

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-01-21 14:50:06

Date of Next Testing: 2029-01-20 14:50:06

Product Name: **Methyl orange**

CAS Number: 547-58-0

Specifications & Purity:  $\geq 96\%$

Lot #: A2514408

SKU #: **M101231**

Version: **3**

Analysis #: **434864**

Storage Temperature: Room temperature

| Parameter                                                                    | Limit Values          | Result                |
|------------------------------------------------------------------------------|-----------------------|-----------------------|
| Lambda max.(pH 6.8 buffer sol.)                                              | 460-470 (nm)          | 464.00000 nm          |
| Dye Content                                                                  | 96-100 (%)            | 99.36300 %            |
| Loss on drying                                                               | 0-10 (%)              | 6.57019 %             |
| Appearance (M101231)                                                         | orange powder         | orange powder         |
| PH(Transition interval,3.1(yellowish red) to 4.4(reddish yellow to yellow) ) | pass                  | Pass                  |
| Infrared spectrum                                                            | Conforms to Structure | Conforms to Structure |



John Su  
QA & QC Manager