

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-10-12 15:21:52

Date of Next Testing: 2024-10-01 15:21:52

Product Name: **2-Naphthol**

CAS Number: 135-19-3

Specifications & Purity: indicator, for fluorescence analysis, ≥99%(GC)

Lot #: J2210610

SKU #: **N108423**

Version: **0**

Analysis #: **125477**

Storage Temperature: Protected from light, Room temperature, Cool

| Parameter                                                                  | Limit Values                      | Result                            |
|----------------------------------------------------------------------------|-----------------------------------|-----------------------------------|
| Melting point                                                              | 121-122 (°C)                      | 121.95000 °C                      |
| Carbon by Elemental Analysis                                               | 82-83.8 (%)                       | 83.34000 %                        |
| Hydrogen by Elemental Analysis                                             | 5-6.1 (%)                         | 5.28700 %                         |
| Purity(GC)                                                                 | 99-100 (%)                        | 99.31100 %                        |
| Ignition Residue                                                           | 0-0.05 (%)                        | 0.02800 %                         |
| Appearance (N108423)                                                       | Off-White to Beige to Light Brown | Off-White to Beige to Light Brown |
|                                                                            | Powder or Flakes                  | Powder or Flakes                  |
| Infrared spectrum                                                          | Conforms to Structure             | Conforms to Structure             |
| Solubility in MeOH , Colorless to yellow-brown clear(<3.5NTU)(100mg/ml)    | pass                              | Pass                              |
| Fluorescence, λ <sub>ex</sub> 320 nm; λ <sub>em</sub> 410 nm in 0.1 M NaOH | Conforms                          | Conforms                          |



John Su  
QA & QC Manager