

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-08-22 15:06:20

Date of Next Testing: 2027-08-21 15:06:20

Product Name: **4-Quinolinecarboxaldehyde**

CAS Number: 4363-93-3

Specifications & Purity:  $\geq 97\%$

Lot #: L1515025

SKU #: **Q123539**

Version: **1**

Analysis #: **260760**

Storage Temperature: Store at 2-8°C, Argon charged

| Parameter                    | Limit Values                                                        | Result                                                              |
|------------------------------|---------------------------------------------------------------------|---------------------------------------------------------------------|
| Purity(Nonaqueous Titration) | 96.5-103.5 (%)                                                      | 99.68800 %                                                          |
| Melting point                | 45-54 (°C)                                                          | 53.54000 °C                                                         |
| Purity(GC)                   | 97-100 (%)                                                          | 99.19500 %                                                          |
| Appearance (Q123539)         | White to yellow to orange to tan to brown powder, crystals or solid | White to yellow to orange to tan to brown powder, crystals or solid |
| NMR spectrum                 | Conforms to Structure                                               | Conforms to Structure                                               |



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QA & QC Manager