

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

# Certificate of Analysis

Date of Testing: 2023-05-17 09:09:15

Date of Next Testing: 2027-05-16 09:09:15

Product Name: **3-Quinolinecarboxaldehyde**

CAS Number: 13669-42-6

Specifications & Purity:  $\geq 98\%$

Lot #: D23261216

SKU #: **Q123866**

Version: **0**

Analysis #: **005483**

Storage Temperature: Room temperature, Argon charged

| Parameter            | Limit Values                                             | Result                                                   |
|----------------------|----------------------------------------------------------|----------------------------------------------------------|
| Melting point        | 66-71 (°C)                                               | 67.72000 °C                                              |
| Purity(GC)           | 98-100 (%)                                               | 98.18000 %                                               |
| Proton NMR spectrum  | Conforms to Structure                                    | Conforms to Structure                                    |
| Appearance (Q123866) | white to yellow or brown powder, crystals, and/or chunks | white to yellow or brown powder, crystals, and/or chunks |
| Infrared spectrum    | Conforms to Structure                                    | Conforms to Structure                                    |



John Su  
QA & QC Manager