

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-10-15 16:19:54

Date of Next Testing: 2024-10-14 16:19:54

Product Name: **4-Nitrobenzenesulfonyl Chloride**

CAS Number: 98-74-8

Specifications & Purity:  $\geq 98\%$

Lot #: J2210625

SKU #: **N122915**

Version: **2**

Analysis #: **122494**

Storage Temperature: Room temperature, Argon charged

| Parameter                               | Limit Values                                                   | Result                                                         |
|-----------------------------------------|----------------------------------------------------------------|----------------------------------------------------------------|
| Purity(Titration by AgNO <sub>3</sub> ) | 97.5-102.5 (%)                                                 | 101.33000 %                                                    |
| Melting point                           | 77-80 (°C)                                                     | 79.89000 °C                                                    |
| Appearance (N122915)                    | White to Yellow to Orange to Green to Brown Powder or Crystals | White to Yellow to Orange to Green to Brown Powder or Crystals |
| Infrared spectrum                       | Conforms to Structure                                          | Conforms to Structure                                          |
| Proton NMR spectrum                     | Conforms to structure                                          | Conforms to Structure                                          |



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QA & QC Manager