

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-11-09 17:04:56

Date of Next Testing: 2027-11-08 17:04:56

Product Name: **1-Hydroxybenzotriazole Monohydrate**

CAS Number: 123333-53-9

Specifications & Purity:  $\geq 97\%$

Lot #: K2307453

SKU #: **H106176**

Version: **0**

Analysis #: **289052**

Storage Temperature: Room temperature, Desiccated

| Parameter                                                            | Limit Values                                  | Result                                        |
|----------------------------------------------------------------------|-----------------------------------------------|-----------------------------------------------|
| Water by Karl Fischer                                                | 11-16 (%)                                     | 13.14200 %                                    |
| Melting point                                                        | 156-161 (°C)                                  | 158.98000 °C                                  |
| Purity(HPLC)                                                         | 97-100 (%)                                    | 99.95000 %                                    |
| Appearance (H106176)                                                 | White to Off-White Solid, Powder, or Crystals | White to Off-White Solid, Powder, or Crystals |
| Proton NMR spectrum                                                  | Conforms to Structure                         | Conforms to Structure                         |
| Solubility in DMF , Colorless to Light Brown or Red, Clear, 100mg/ml | pass                                          | Pass                                          |
| Infrared spectrum                                                    | Conforms to Structure                         | Conforms to Structure                         |



John Su  
QA & QC Manager