

## Certificate of Analysis

Date of Testing: 2023-03-27 10:40:19

Date of Next Testing: 2027-03-26 10:40:19

Product Name: **4-Hydroxy-3-nitrophenylacetic Acid**

CAS Number: 10463-20-4

Specifications & Purity: >98.0%(T)

Lot #: C2314672

SKU #: **H157028**

**Analysis:** **191419**

Storage Temperature: Store at -20°C

| Parameter                        | Limit Values                                                                         | Result                                                                               |
|----------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| Melting point                    | 144.0-148 (°C)                                                                       | 145.82000 °C                                                                         |
| Purity(Neutralization titration) | 97.5-102.5 (%)                                                                       | 98.68 %                                                                              |
| NMR Spectrum 1H                  | Conforms to Structure                                                                | Conforms to Structure                                                                |
| Appearance(H157028)              | Light yellow to Yellow to Brown to Amber to Dark green powder to crystal or Chunk(s) | Light yellow to Yellow to Brown to Amber to Dark green powder to crystal or Chunk(s) |



John Su  
QA & QC Manager