

## Certificate of Analysis

Date of Testing: 2022-05-11 09:10:26

Date of Next Testing: 2026-05-10 09:10:26

Product Name: **Glutaric acid**

CAS Number: 110-94-1

Specifications & Purity: 99%

Lot #: E2207106

SKU # **G103516**

**Analysis: 085380**

| Parameter                                                                     | Limit Values                          | Result                                |
|-------------------------------------------------------------------------------|---------------------------------------|---------------------------------------|
| Ignition Residue                                                              | 0-0.1 (%)                             | 0.09 %                                |
| Melting point                                                                 | 96-100 (°C)                           | 99.83000 °C                           |
| Purity(Neutralization titration)                                              | 99-101 (%)                            | 99.36 %                               |
| Appearance (G103516)                                                          | White to Off-White Powder or Crystals | White to Off-White Powder or Crystals |
| Proton NMR spectrum                                                           | Conforms to Structure                 | Conforms to Structure                 |
| Solubility in H <sub>2</sub> O , Colorless to Faint Yellow,Clear to Hazy,c=5% | pass                                  | Pass                                  |



John Su  
QA & QC Manager