

## Certificate of Analysis

Date of Testing: 2022-09-20 12:17:55

Date of Next Testing: 2026-09-19 12:17:55

Product Name: **1,3-propanesulfonate**

CAS Number: 1120-71-4

Specifications & Purity: 99%

Lot #: I2216472

SKU # **P105652**

**Analysis:** **111688**

Storage Temperature: Argon charged

| Parameter             | Limit Values                                      | Result                                            |
|-----------------------|---------------------------------------------------|---------------------------------------------------|
| Crystallization point | 30-33 (°C)                                        | 31.69 °C                                          |
| Purity(GC)            | 99-100 (%)                                        | 99.83 %                                           |
| Appearance (P105652)  | Colorless to Brown Liquid or White to Brown Solid | Colorless to Brown Liquid or White to Brown Solid |
| Infrared spectrum     | Conforms to Structure                             | Conforms to Structure                             |
| Proton NMR spectrum   | Conforms to Structure                             | Conforms to Structure                             |



John Su  
QA & QC Manager