

## Certificate of Analysis

Date of Testing: 2022-07-27 11:18:15  
Date of Next Testing: 2026-07-26 11:18:15  
Product Name: **mono-Methyl hydrogen succinate**  
CAS Number: 3878-55-5  
Specifications & Purity: 98%  
Lot #: G2222565  
SKU #: **M102991**  
Analysis: **097557**

| Parameter   | Limit Values             | Result                   |
|---|--------------------------|--------------------------|
| Purity (Titration by NaOH)                          | 97.5-102.5 (%)           | 102.16 %                 |
| Purity(GC)  | 98-100 (%)               | 99.66 %                  |
| Appearance (M102991)                                | White Powder or Crystals | White Powder or Crystals |
| Infrared spectrum                                   | Conforms to Structure    | Conforms to Structure    |
| Proton NMR spectrum                                 | Conforms to Structure    | Conforms to Structure    |
| Solubility in EtOH , Colorless,Clear,100mg/ml (10%) | pass                     | Pass                     |



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QA & QC Manager