

## Certificate of Analysis

Date of Testing: 2022-06-23 17:00:28

Date of Next Testing: 2026-06-22 17:00:28

Product Name: **Isoquinoline-1-carboxylic acid**

CAS Number: 486-73-7

Specifications & Purity: 98%

Lot #: H1824081

SKU #: **I111156**

Analysis: **104965**

| Parameter            | Limit Values                                                 | Result                                                       |
|----------------------|--------------------------------------------------------------|--------------------------------------------------------------|
| Melting point        | 160-165 (°C)                                                 | 163.70000 °C                                                 |
| Assay                | 98-100 (%)                                                   | 99.18 %                                                      |
| Appearance (I111156) | Milk White to Yellow-Brown to Green to Tan Powder to Crystal | Milk White to Yellow-Brown to Green to Tan Powder to Crystal |
| Proton NMR spectrum  | Conforms to Structure                                        | Conforms to Structure                                        |



John Su  
QA & QC Manager