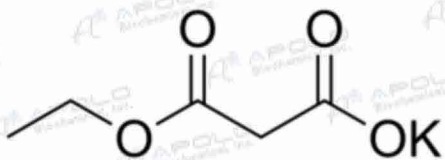


CERTIFICATE OF ANALYSIS

Product Name: 3-Ethoxy-3-oxopropanoic acid (potassium)

Chemical Structure:



Lot Number: 272484CSD1444

CAT Number: APL-6148647

CAS Registry Number: 6148-64-7

Manufacture Date: 01/2023

Expiry Date: 07/2025

Molecular Formula: C₅H₇KO₄

Molecular Weight: 170.21

Storage: 2-8°C, sealed storage, away from moisture

Analysis Data

Item	Specification	Results
Appearance	Solid	Conforms
¹ H NMR Spectrum	Consistent with the structure	Conforms
Purity (NMR)	≥ 98.0 %	98.0 %
Water (KF)	≤ 0.50 %	0.13 %

The foregoing is a copy of the Certificate of Analysis as provided by our supplier

Jennifer LaBrecque 02/2023
Quality Assurance Manager

Conclusion: The above product meets the specifications of APOLLO

