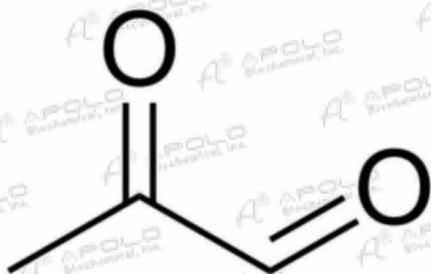


CERTIFICATE OF ANALYSIS

Product Name: Pyruvic aldehyde

Chemical Structure:



Lot Number: 239773CS0031856

CAT Number: APL-0078988

CAS Registry Number: 78-98-8

Manufacture Date: 10/2022

Expiry Date: 10/2024

Molecular Formula: C₃H₄O₂

Molecular Weight: 72.06

Target: Endogenous Metabolite

Pathway: Metabolic Enzyme/Protease

Solubility: H₂O

Storage: -20°C

Analysis Data

Item	Specification	Results
Appearance	Colorless to light yellow (Liquid)	Conforms
Pyruvic acid	-	1.52
Hydroxypropanone	-	1.87 %
Assay	-	40.42 %

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

Jennifer LaBrecque 11/2022
Quality Assurance Manager

Conclusion: The above product meets the specifications of APOLO