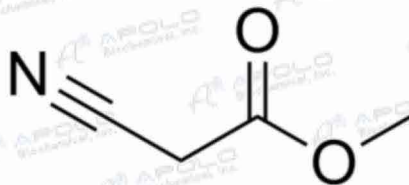


CERTIFICATE OF ANALYSIS

Product Name: Methyl 2-cyanoacetate

Chemical Structure:



Lot Number: 246114CSW016657

CAT Number: APL-0105340

CAS Registry Number: 105-34-0

Manufacture Date: 11/2022

Expiry Date: 11/2024

Molecular Formula: C₄H₅NO₂

Molecular Weight: 99.09

Storage: RT

Analysis Data

Item	Specification	Results
Appearance	Colorless to light yellow (Liquid)	Conforms
Purity (GC)	≥ 99.00 %	99.92 %
¹ H NMR Spectrum	Consistent with structure	Conforms
Water(KF)	≤ 0.50 %	0.26 %

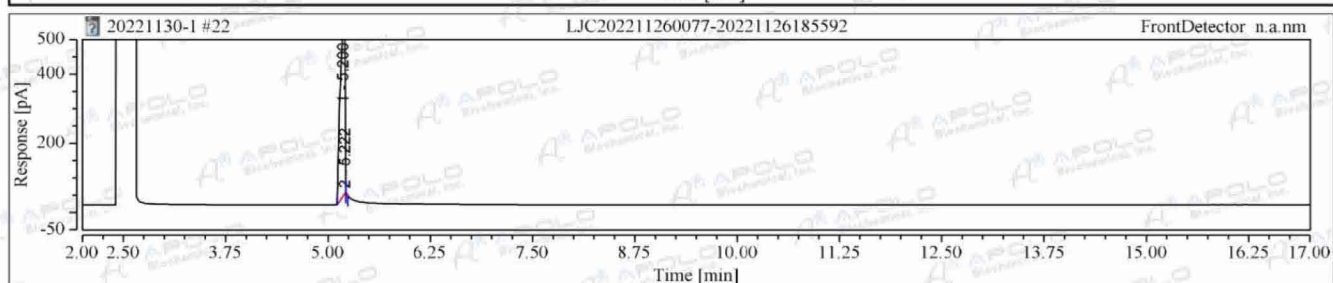
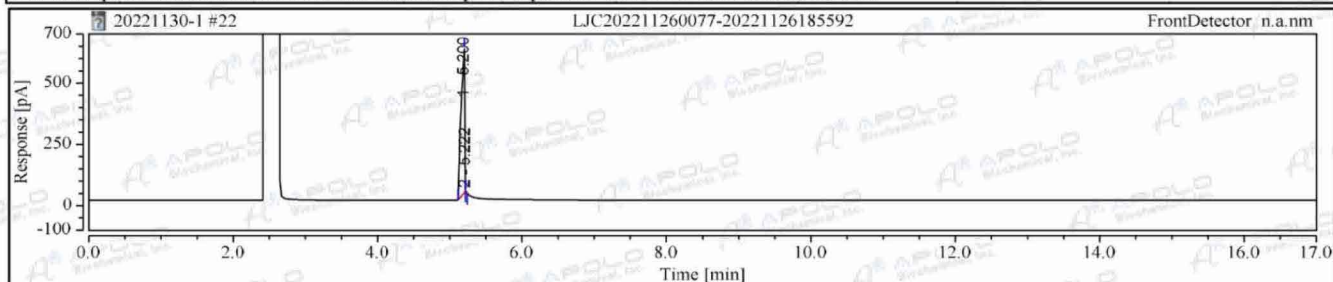
The foregoing is a copy of the Certificate of Analysis as provided by our supplier

Jennifer LaBrecque 12/2022
Quality Assurance Manager

Conclusion: The above product meets the specifications of APOL

Chromatogram and Results

CAS NO.:	105-34-0	Comment:	AH-GC003
Batch No:		Channel:	FrontDetector
Vial Number:	22	Wavelength:	n.a.
Injection Type:	Unknown	Injection Volume:	1.00
Instrument:	GC10402	Injection Time:	30/11/2022 16:54
Instrument Method:	GC-FQ	InstMeth.creation_t	11/05/2020 11:09
Processing Method:	PM-LJC202211260077-20221126185592	Last update_time:	01/12/2022 10:40
seq.creation_operator	Myuxp		
chrom://ahqc005/XVault/GC10402/2210/20221130-1.seq/402.smp/FrontDetector.channel/FrontDetector.chm			



No.	Retention Time min	Area pA*min	Height pA	Plates (USP)	Resolution (USP)	Asymmetry (USP)	Rel.Area %	Peak Name
1	5.200	34.712	585.957	37337	0.34	0.58	99.923	
2	5.222	0.027	2.633	1039642	n.a.	3.03	0.077	
Total:		34.739	588.590		0.34			

