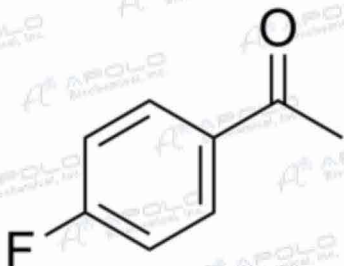


CERTIFICATE OF ANALYSIS

Product Name: 1-(4-Fluorophenyl)ethan-1-one

Chemical Structure:



Lot Number: 247410CSW020117

CAT Number: APL-0403429

CAS Registry Number: 403-42-9

Manufacture Date: 09/2022

Expiry Date: 09/2024

Molecular Formula: C₈H₇FO

Molecular Weight: 138.14

Storage: RT

Analysis Data

Item	Specification	Results
Appearance	Colorless to light yellow (Liquid)	Conforms
Purity (NMR)	≥ 98.0 %	98.0 %
¹ H NMR Spectrum	Consistent with structure	Conforms
Water(KF)	≤ 0.50 %	0.28 %

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

Jennifer LaBrecque 10/2022
Quality Assurance Manager

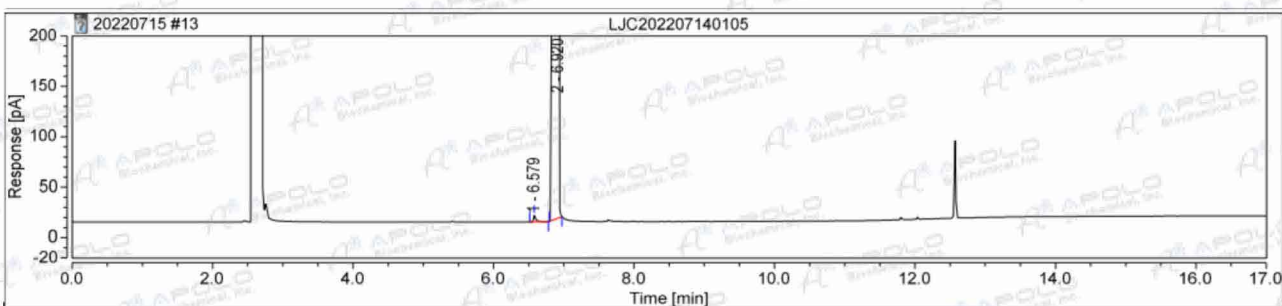
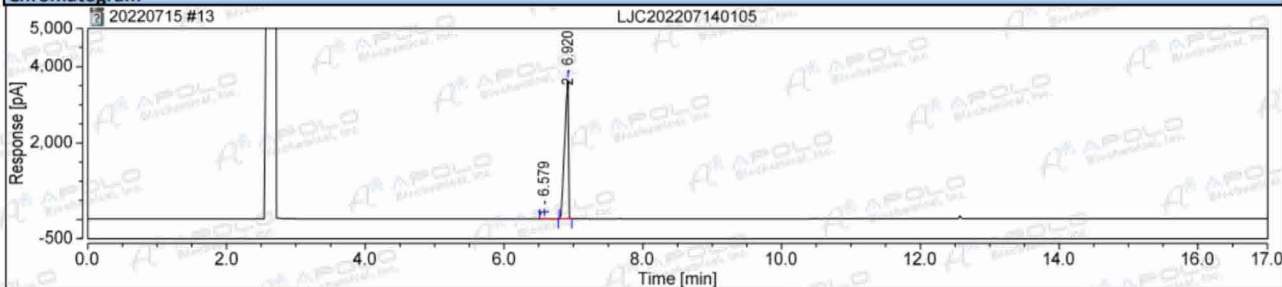
Conclusion: The above product meets the specifications of APOLO

Chromatogram and Results

Injection Details

Injection Name:	LJC202207140105	Run Time (min):	17.00
Vial Number:	90	Injection Volume:	1.00
Injection Type:	Unknown	Channel:	FrontDetector
CAS NO.:	403-42-9 (BY ACN)HP-5 A-CP-79	Wavelength:	n.a.
Instrument Method:	GC-FQ	Bandwidth:	n.a.
Processing Method:	Quantitative	Dilution Factor:	1.0000
Injection Date/Time:	15/Jul/22 19:42	seq.update_operator	QFF2306
seq.creation_operator	zxm2434	instMeth.creation_operator	ylq1768
injection.dilution_factor	1.0000	rdf.update_operator	QFF2306
instMeth.creation_time	30/Jun/2020 10:13		
chm.rawpath	chrom://thermo-hs/CL_CDMO/2022/LY/GC-07/202207/20220715.seq/173.smp/FrontDetector.channel/FrontDetector.chm		

Chromatogram



Integration Results

No.	Peak Name	Retention Time min	Area pA*s	Height pA	Relative Area %	Resolution (USP)	Plates	Tailing
1		6.579	15.2073	6.508	0.1215	n.a.	369110	3.6
2		6.920	12503.0357	3622.758	99.8785	4.8	80782	0.6
Total:			12518.2430	3629.265	100.0000		449892	

