

CERTIFICATE OF ANALYSIS

Product Name: Methyl 2-chloro-4-thiazolecarboxylate

Chemical Structure:



Lot Number: 1110601CS0150759

CAT Number: APL-CCPM-0850429

CAS Registry Number: 850429-61-7

Manufacture Date: 01/2022

Expiry Date: 01/2025

Molecular Formula: C₅H₄ClNO₂S

Molecular Weight: 177.61

Storage: 2-8°C

Analysis Data

Item	Specification	Results
Appearance	Light yellow to yellow (Solid)	Conforms
LCMS	Consistent with the structure	Conforms
Purity (LCMS)	≥ 97.00 %	97.22 %
¹ H-NMR Spectrum	Consistent with the structure	Conforms

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

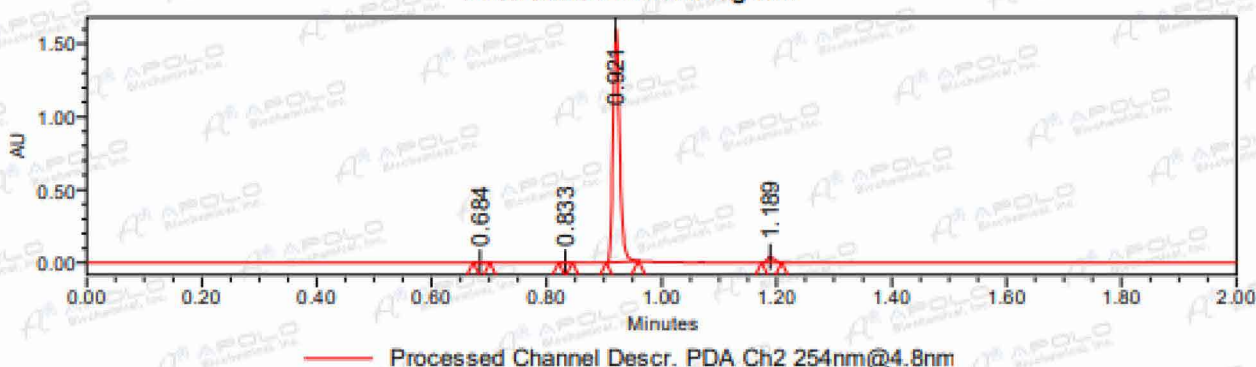
Jennifer LaBrecque 02/2022
Quality Assurance Manager

Conclusion: The above product meets the specifications of APOL

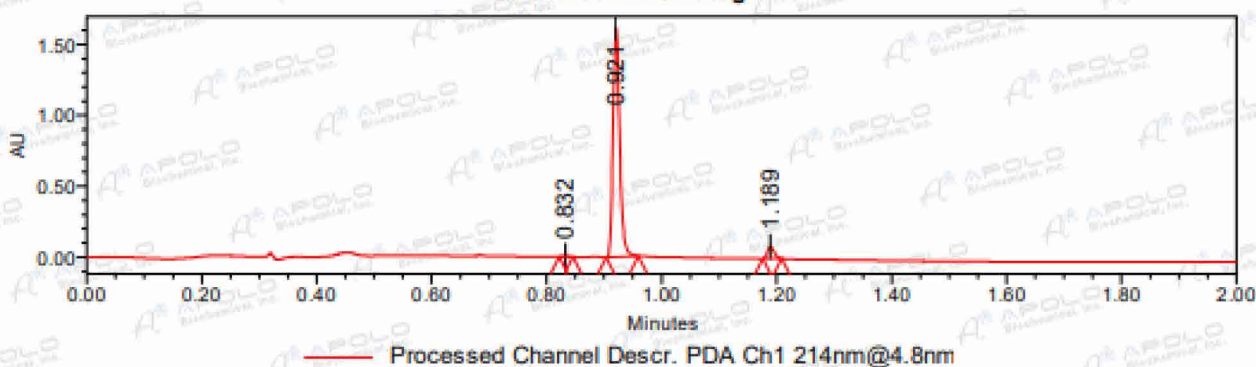
SAMPLE INFORMATION

Sample Name:	LJC202112280164	Acquired By:	LY
CAS NO.:	850429-61-7	Date Acquired:	12/28/2021 5:15:28 PM CST
Vial:	1-C,6	Acq. Method Set:	1_POS_2MIN_Q_1000
Injection #:	1	Date Processed:	12/29/2021 1:09:03 PM CST
Injection Volume:	0.10 ul	Processing Method:	PDA_01, MS_scan
Run Time:	2.8 Minutes	Channel Name:	PDA Ch1 214nm@4.8nm, MS TIC,
Sample Set Name:	20211228	Column Name:	Poroshell 120 EC-C18 A-RP-929

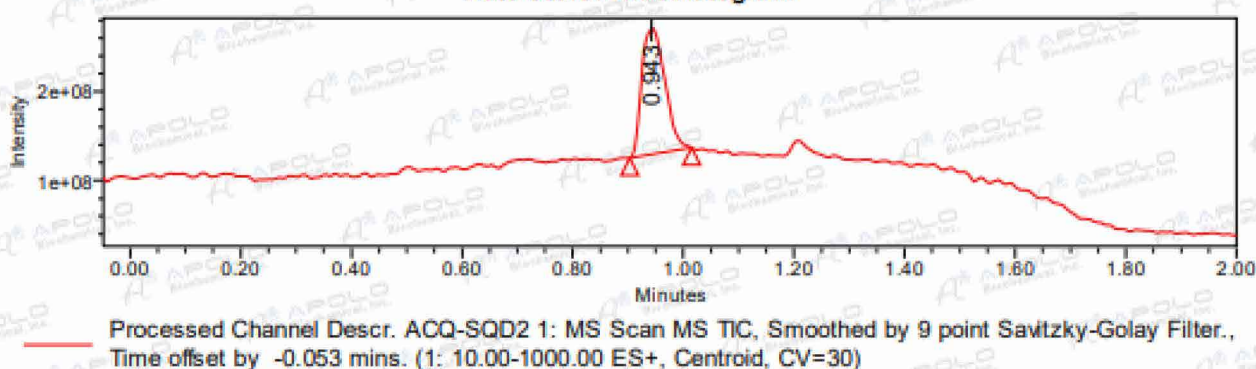
Auto-Scaled Chromatogram



Auto-Scaled Chromatogram



Auto-Scaled Chromatogram



Peak Results
Channel Name: PDA Ch2 254nm@4.8nm

	RT	Width (sec)	Area	Height	% Area	Channel Name
1	0.684	1.750	3147	3978	0.24	PDA Ch2 254nm@4.8nm
2	0.833	1.450	1429	2076	0.11	PDA Ch2 254nm@4.8nm
3	0.921	3.400	1274810	1597657	97.22	PDA Ch2 254nm@4.8nm
4	1.189	2.100	31862	39497	2.43	PDA Ch2 254nm@4.8nm

Peak Results
Channel Name: PDA Ch1 214nm@4.8nm

	RT	Width (sec)	Area	Height	% Area	Channel Name
1	0.832	1.450	3999	5775	0.29	PDA Ch1 214nm@4.8nm
2	0.921	3.400	1307326	1614662	94.68	PDA Ch1 214nm@4.8nm
3	1.189	2.000	69471	86496	5.03	PDA Ch1 214nm@4.8nm

Peak Results
Channel Name: MS TIC

	RT	Width (sec)	Area	Height	% Area	Channel Name
1	0.943	6.765	411057567	141433364	100.00	MS TIC

CAS NO. : 850429-61-7 CDCL3

