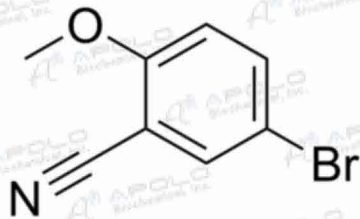


CERTIFICATE OF ANALYSIS

Product Name: 5-Bromo-2-methoxybenzonitrile

Chemical Structure:



Lot Number: 281568CS0042159
CAT Number: APL-CCPB-00144649
CAS Registry Number: 144649-99-0
Manufacture Date: 08/2023
Expiry Date: 08/2025
Molecular Formula: C₈H₆BrNO
Molecular Weight: 212.04
Storage: RT

Analysis Data

Item	Specification	Results
Appearance	White to off-white (Solid)	Conforms
¹ H NMR Spectrum	Consistent with the structure	Conforms
Purity	≥ 99.00 %	99.81 %
Water (KF)	≤ 0.50 %	0.10 %

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

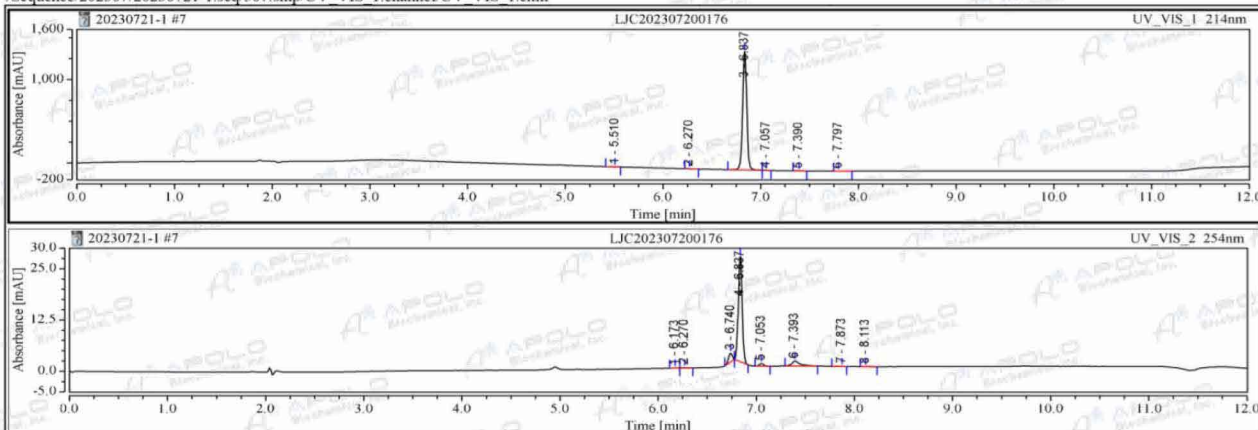
Jennifer LaBrecque 08/2023
Quality Assurance Manager

Conclusion: The above product meets the specifications of APOLO

Chromatogram and Results

Sample ID: LJC202307200176
Batch No: GD4
Vial Number: Unknown
Injection Type: LC10410
Instrument: 10-80A-12min(LP-HPLC)
Processing Method: LJC202307200176
seq_creation_operator: Azhangl
Sequence/202307/20230721-1.seq/507.smp/UV_VIS_1.channel/UV_VIS_1.chm

CAS NO.: 144649-99-0
Channel: Wavelength: 214.0
Injection Volume: 1.00
Injection Time: 21/07/2023 10:36
InstMeth.creation: 15/04/2022 17:33
Last update_time: 21/07/2023 11:11



No.	Retention Time min	Area mAU*min	Height mAU	Plates (USP)	Resolution (USP)	Asymmetry (USP)	Rel Area %	Peak Name
1	5.510	0.014	0.282	95262	11.14	0.80	0.019	
2	6.270	0.020	0.419	148520	8.05	1.66	0.029	
3	6.837	69.911	1420.670	130305	3.20	0.98	99.816	
4	7.057	0.026	0.686	209031	4.36	1.10	0.037	
5	7.390	0.047	0.821	105038	3.08	1.21	0.068	
6	7.797	0.021	0.166	32689	n.a.	1.89	0.031	
Total:		70.040	1423.045		29.83			

No.	Retention Time min	Area mAU*min	Height mAU	Plates (USP)	Resolution (USP)	Asymmetry (USP)	Rel Area %	Peak Name
1	6.173	0.002	0.041	120675	1.48	0.92	0.132	
2	6.270	0.004	0.101	179981	7.07	1.37	0.294	
3	6.740	0.099	2.167	133650	1.31	0.84	6.880	
4	6.837	1.185	25.697	138261	2.97	1.01	82.122	
5	7.053	0.031	0.666	152056	3.53	1.04	2.170	
6	7.393	0.115	1.214	60346	4.78	1.70	7.975	
7	7.873	0.003	0.043	153769	2.89	0.74	0.217	
8	8.113	0.003	0.039	142729	n.a.	1.69	0.210	
Total:		1.442	29.969		24.04			

