CHEMICAL ANALYSIS TEST REPORT

Laboratory: Nectar Spectra Laboratories
Location: Barcelona, Spain
Contact: office@nectarspectralabs.com

We hereby certify that:

The test(s) shown below were conducted according to industry standard proceedures, using verified reference standards and calibrated instruments. We vouch for the accuracy of these results. Nevertheless we cannot rule out the presence of other minor/trace compounds below the limit of detection of our instruments.

We do not guarantee the safety of consumption of any product, and do not vouch for suppliers of products tested by us, nor for batches. We provide results for scientific and informational purposes on the samples we tested.

Sample Purchase ID	P1303
Sample Lab ID	L1493
Sample ALIAS	Zion Pharma P1303
Date of sample reception	15-Oct-2026
Date of report	21-Oct-2026
Techniques used:	FTIR + HPLC-DAD + NMR
Report by (technician ID)	F2503
Expected substance	Lithium orotate

RESULTS:

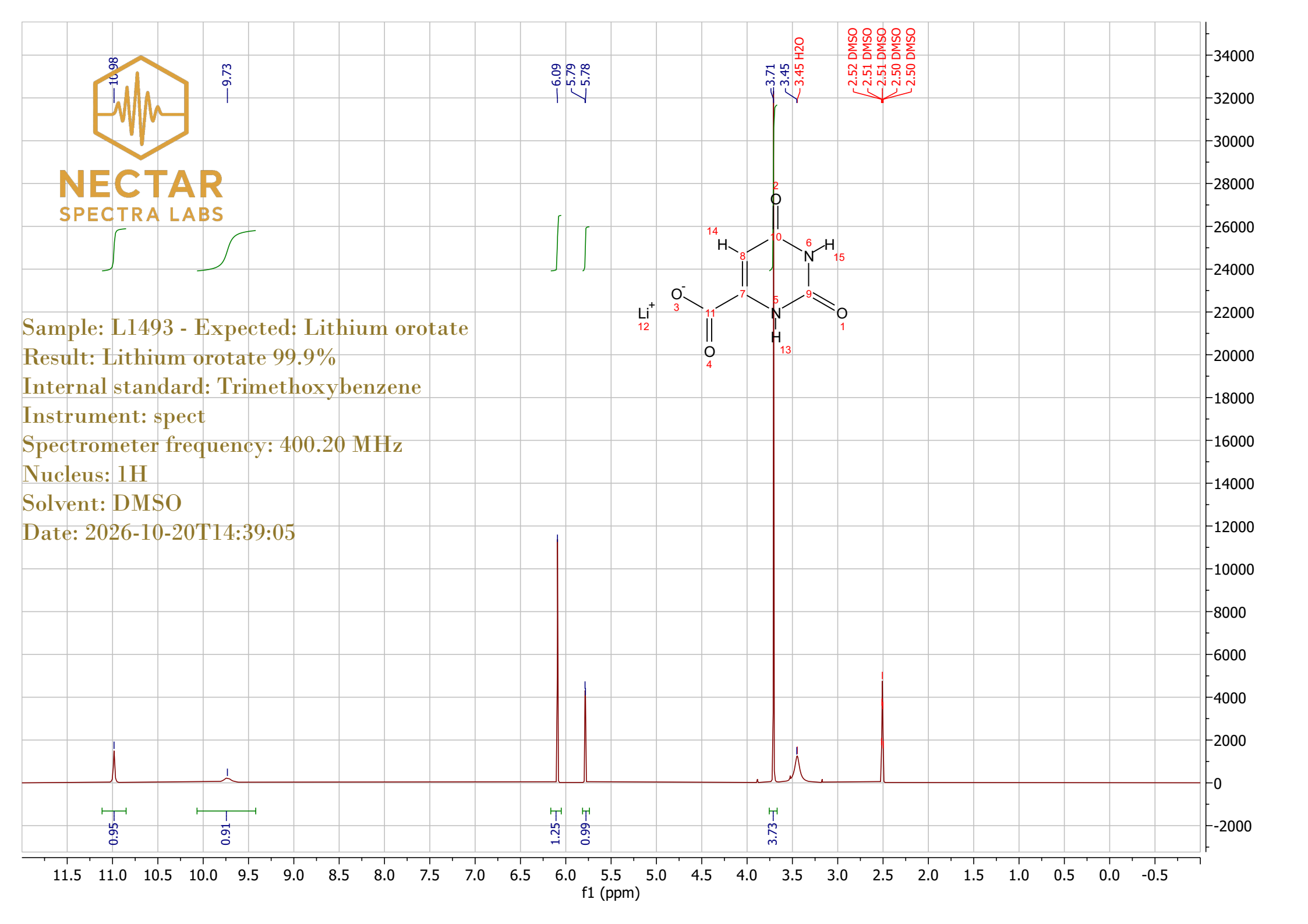
Lithium orotate 99.9%

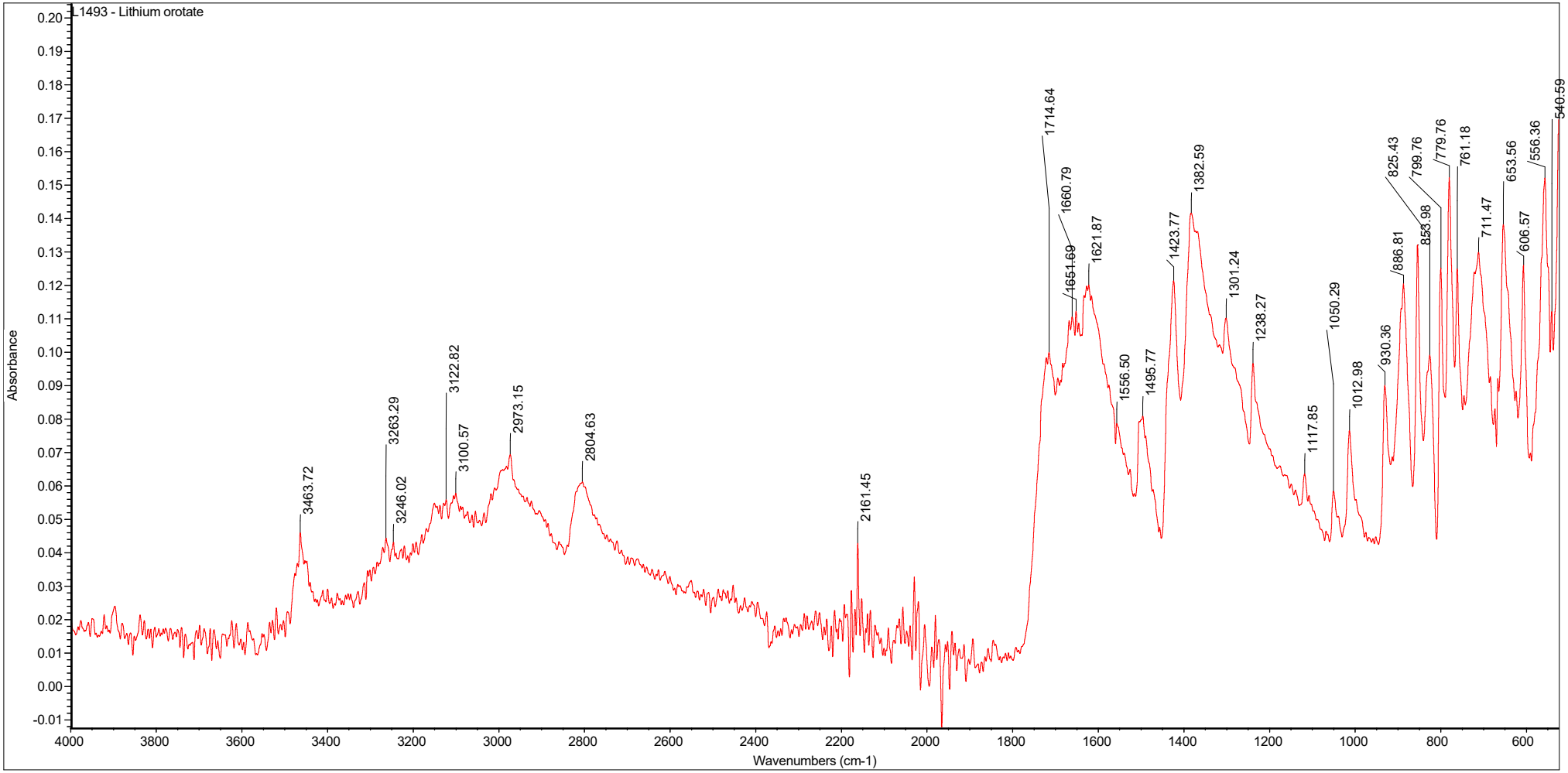
Lab comments:

Quantification assumes the monohydrate form. If it is in anhydrous form, then quantification would be 90% instead.

REPORT VERIFICATION CODE: 81a54980852aaa9b7ae123c692986475 https://www.nectarspectralabs.com/en/report-verifier

END OF REPORT - SPECTRA ATTACHMENTS BELOW


NECTAR
SPECTRA LABS
10.98
9.73
6.09
5.79
5.78
3.71
3.45
3.45 H2O
2.52 DMSO
2.51 DMSO
2.51 DMSO
2.50 DMSO
2.50 DMSO
Sample: L1493 - Expected: Lithium orotate
Result: Lithium orotate 99.9%
Internal standard: Trimethoxybenzene
Instrument: spect
Spectrometer frequency: 400.20 MHz
Nucleus: 1H
Solvent: DMSO
Date: 2026-10-20T14:39:05
0.95
0.91
1.25
0.99
3.73
f1 (ppm)



Tue Oct 20 23:43:49 2026 (GMT+02:00)
FIND PEAKS:
Spectrum: L1493 - Lithium orotate
Region: 4000.12 525.03
Absolute threshold: 0.036
Sensitivity: 55
Peak list:

Position:	540.59	Intensity:	0.112
Position:	556.36	Intensity:	0.152
Position:	606.57	Intensity:	0.126
Position:	653.56	Intensity:	0.138
Position:	711.47	Intensity:	0.130
Position:	761.18	Intensity:	0.125
Position:	779.76	Intensity:	0.152
Position:	799.76	Intensity:	0.125
Position:	825.43	Intensity:	0.0991
Position:	853.98	Intensity:	0.132
Position:	886.81	Intensity:	0.120
Position:	930.36	Intensity:	0.0901
Position:	1012.98	Intensity:	0.0764
Position:	1050.29	Intensity:	0.0583
Position:	1117.85	Intensity:	0.0636
Position:	1238.27	Intensity:	0.0965
Position:	1301.24	Intensity:	0.110
Position:	1382.59	Intensity:	0.142
Position:	1423.77	Intensity:	0.121

Position:	1495.77	Intensity:	0.0808
Position:	1556.50	Intensity:	0.0786
Position:	1621.87	Intensity:	0.120
Position:	1651.69	Intensity:	0.112
Position:	1660.79	Intensity:	0.110
Position:	1714.64	Intensity:	0.0999
Position:	2161.45	Intensity:	0.0428
Position:	2804.63	Intensity:	0.0611
Position:	2973.15	Intensity:	0.0693
Position:	3100.57	Intensity:	0.0577
Position:	3122.82	Intensity:	0.0558
Position:	3246.02	Intensity:	0.0431
Position:	3263.29	Intensity:	0.0443
Position:	3463.72	Intensity:	0.0459


P1493
03