Nefiracetam

THIRD-PARTY ANALYTICAL REPORT

LOT & ANALYSIS SUMMARY

LOT	PCS-Nefi-2608A
TESTING LABORATORY	NuMega Resonance Labs - San Diego, CA
LAB REFERENCE	2604PEAK.790D
REPORT DATE	August 10, 2026
METHOD	Quantitative ^{1}H NMR (qNMR)
REPORTED PURITY	**98.0%**

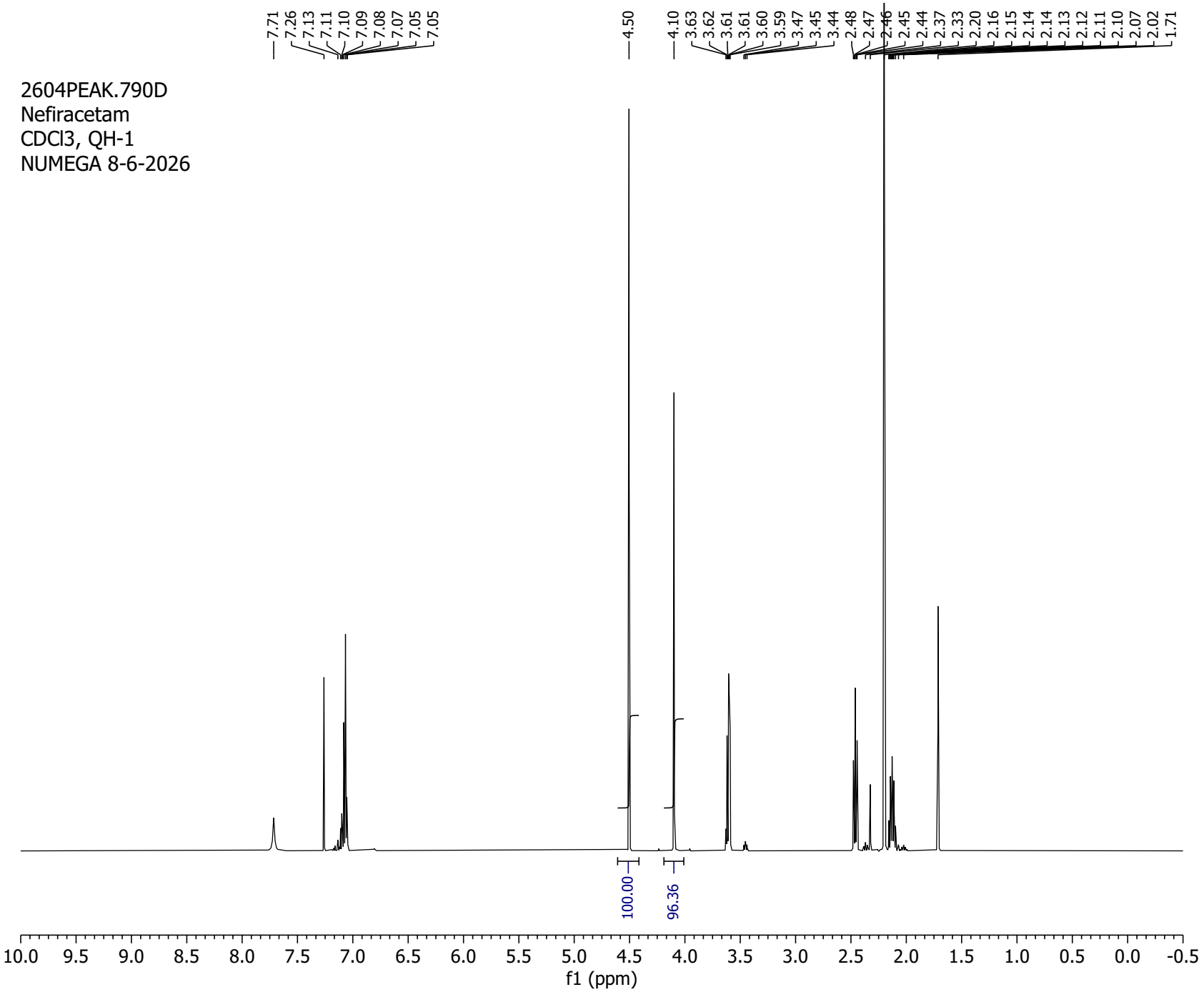
Determined by NuMega Resonance Labs, an independent contract analytical laboratory. Peak Chemical Supply did not perform, influence, or certify this analysis.

INCLUDED DOCUMENTATION

01	^{1}H NMR Spectrum
02	Quantitative ^{1}H NMR Analysis Report

FOR RESEARCH USE ONLY

This cover page was prepared by Peak Chemical Supply for document organization and lot traceability. It is not a certificate of analysis. Analytical results summarized above are reproduced from the attached original third-party laboratory documentation, which follows unaltered.


7.71
7.26
7.13
7.11
7.10
7.09
7.08
7.07
7.05
7.05
4.50
4.10
3.63
3.62
3.61
3.61
3.60
3.59
3.47
3.45
3.44
2.48
2.47
2.46
2.45
2.44
2.37
2.33
2.20
2.16
2.15
2.14
2.14
2.13
2.12
2.11
2.10
2.07
2.02
1.71
2604PEAK.790D
Nefiracetam
CDCl3, QH-1
NUMEGA 8-6-2026
100.00
96.36
10.0 9.5 9.0 8.5 8.0 7.5 7.0 6.5 6.0 5.5 5.0 4.5 4.0 3.5 3.0 2.5 2.0 1.5 1.0 0.5 0.0 -0.5
f1 (ppm)

NuMega Resonance Labs
Fast Reliable Services
11526 Sorrento Valley Road, Suite B-2 ◆ San Diego, CA 92121 ◆ USA
Phone 858-793-6057 ◆ Fax 858-793-2607

August 10, 2026

NuMega Reference #
2604PEAK.790D

Company: Peak Nootropics

Quantitative Analysis Report

Bruker 500 MHz, AVII-500 and AV-500

Sample ID	Nefiracetam
Standard	Ethylene Carbonate
Weight of Standard (wt_{st})	1.856
Weight of Sample (wt_{sa})	10.182
Assumed Sample Molecular Weight (MW_{sa})	246.31
Standard Molecular Weight (MW_{st})	88.06
Integration of Sample (I_{sa})	96.36
Integration of Standard (I_{st})	100
# of Equivalent Nuclei in Standard (n_{st})	4
# of Equivalent Nuclei in Sample (n_{sa})	2
Assigned Purity of Standard % (P)	99.71
Purity %	98.0

Formula Used for Calculation:

$$Purity\ \% = \frac{wt_{st}}{wt_{sa}} \times \frac{MW_{sa}}{MW_{st}} \times \frac{I_{sa}}{I_{st}} \times \frac{n_{st}}{n_{sa}} \times P$$