

August 10, 2026

NuMega Reference #

2604PEAK.790A

Company: Peak Nootropics

Quantitative Analysis Report

Bruker 500 MHz, AVII-500 and AV-500

Sample ID	TAK-653
Standard	1,3,5-trimethoxybenzene
Weight of Standard (wt _{st})	1.898
Weight of Sample (wt _{sa})	7.804
Assumed Sample Molecular Weight (MW _{sa})	373.47
Standard Molecular Weight (MW _{st})	168.19
Integration of Sample (I _{sa})	122.03
Integration of Standard (I _{st})	100
# of Equivalent Nuclei in Standard (n _{st})	3
# of Equivalent Nuclei in Sample (n _{sa})	2
Assigned Purity of Standard % (P)	99.83
Purity %	98.7

Formula Used for Calculation:

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