Date	3/21/2024										
Customer	NH Nootropics										
Sample ID	Semax ST7										
Vol Hydrolyzed (ul)	5										
Ratio Analyzed	0.75										
Molecular Weight	813										
Weighed mg/mL	2.69										
Amino Acid	known Comp	pMole Anal	EXP Comp	Int. Comp	uMoles/ml	uM protein		pmol prote	over 15%	under 15%	
CYSO2	0	0	0.00	0	0.0	#DIV/0!		FALSE	FALSE	FALSE	
HYP (Z)	0	0	0.00	0	0.0	#DIV/0!		FALSE	FALSE	FALSE	
ASP (D)	0	0	0.00	0	0.0	#DIV/0!		FALSE	FALSE	FALSE	
THR (T)	0	0	0.00	0	0.0	#DIV/0!		FALSE	FALSE	FALSE	
SER (S)	0	0	0.00	0	0.0	#DIV/0!		FALSE	FALSE	FALSE	
GLU (E)	1	11916	0.97	1	3177.6	3177.6		11915.88	11915.88	11915.88	
PRO (P)	2	24066	1.96	2	6417.6	3208.8		12032.97	12032.97	12032.97	
GLY (G)	1	12624	1.03	1	3366.5	3366.5		12624.28	12624.28	12624.28	
ALA (A)	0	0	0.00	0	0.0	#DIV/0!		FALSE	FALSE	FALSE	
VAL (V)	0	0	0.00	0	0.0	#DIV/0!		FALSE	FALSE	FALSE	
MET (M)	1	12242	1.00	1	3264.6	3264.6		12242.12	12242.12	12242.12	
ILE (I)	0	0	0.00	0	0.0	#DIV/0!		FALSE	FALSE	FALSE	
LEU (L)	0	0	0.00	0	0.0	#DIV/0!		FALSE	FALSE	FALSE	
NLE	0	0	0.00	0	0.0	0.0		FALSE	FALSE	FALSE	
TYR (Y)	0	0	0.00	0	0.0	#DIV/0!		FALSE	FALSE	FALSE	
PHE (F)	1	12408	1.01	1	3308.7	3308.7		12407.57	12407.57	12407.57	
HIS (H)	1	12283	1.00	1	3275.4	3275.4		12282.9	12282.9	12282.9	
HLYS	0	0	0.00	0	0.0	#DIV/0!		FALSE	FALSE	FALSE	
LYS (K)	0	0	0.00	0	0.0	#DIV/0!		FALSE	FALSE	FALSE	
ARG (R)	0	0	0.00	0	0.0	#DIV/0!		FALSE	FALSE	FALSE	
				7							
Total AA's	7			Est pMole protein		12251					
Total pMole amino acid		85539									
Total pMole hydrolyzed		16335								Est. Amount	
Conc pMol/ul	3266.9	uM	**Net Peptide Content**		**98.7%**				Anal. pmole prot.		12251
Total ugrams	13.3								15% of Protein		1838
Conc. mg/ml	**2.66**								.-15% of protein		10413
									.+15% of protein		14089
	1										
CYSO2					0	0	0				
HYP (Z)	0				0	0	0				
ASP (D)	0				0.0000	0	0				
THR (T)	0				0.0000	0	0				
SER (S)	0				0.0000	0	0				
GLU (E)	10.227				11.9159	0	0				
PRO (P)	20.655				24.0659	0	0				
GLY (G)	11				12.6243	0	0				
ALA (A)	0				0.0000	0	0				
VAL (V)	0				0.0000	0	0				
MET (M)	10.507				12.2421	0	0				
ILE (I)	0				0.0000	0	0				
LEU (L)	0				0.0000	0	0				
NLE	6.437				7.5000	0	0				
TYR (Y)	0				0.0000	0	0				
PHE (F)	10.649				12.4076	0	0				
HIS (H)	10.542				12.2829	0	0				
HLYS	0				0.0000	0	0				
LYS (K)	0				0.0000	0	0				
ARG (R)	0				0.0000	0	0				
NLE CF	1.17										
Please note when reviewing the data that NLE is our internal standard.											

16233 SE HWY 224
Damascus, OR 97089
Ph: 503 658-6997
Fax: 503 558-9297
www.aminoacidanalysisservice.com