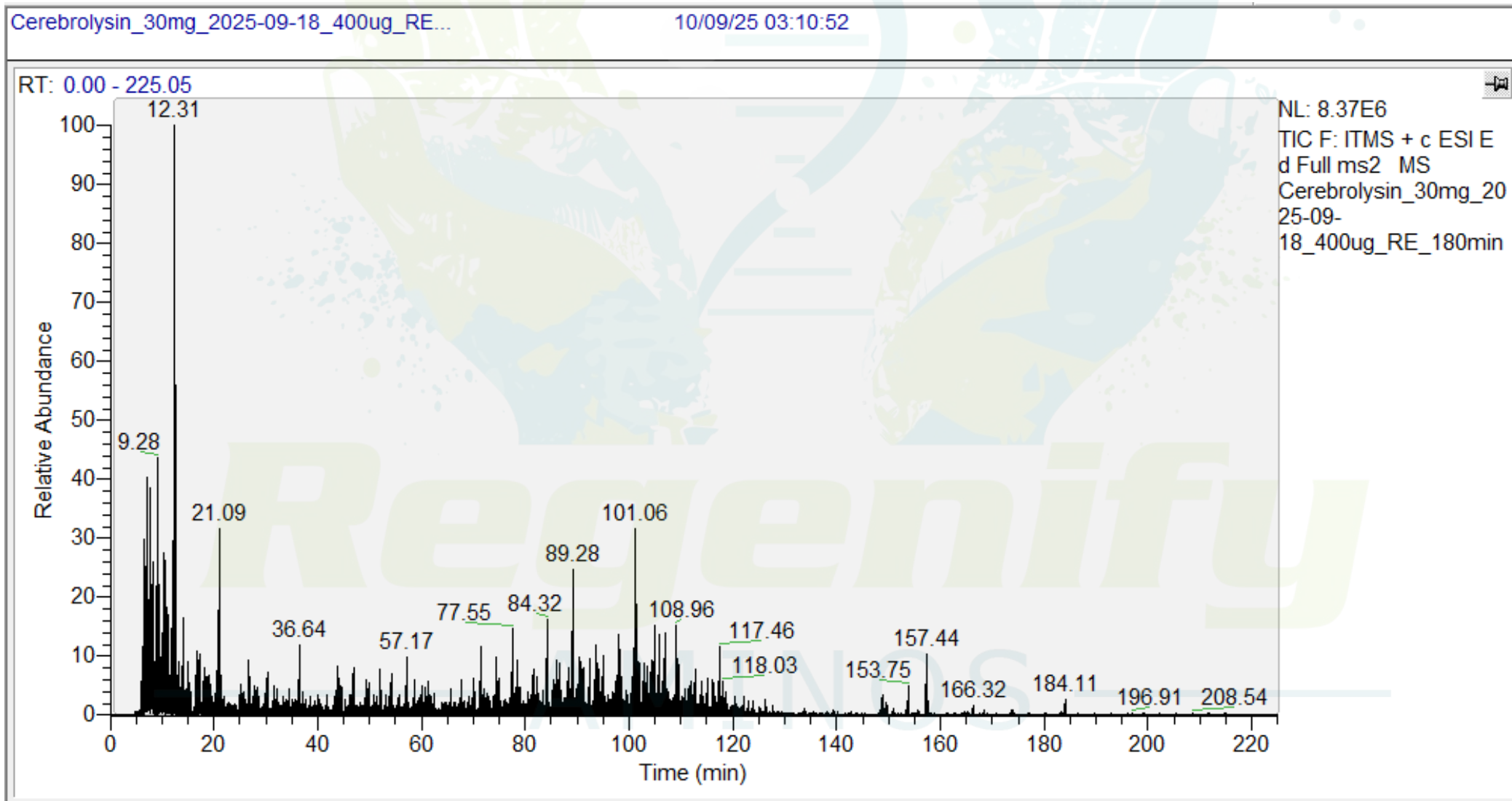


Certificate of Analysis

Cerebrolysin 30 mg

Product : Cerebrolysin
Lot number : 2025-09-18
Analysis date : 2025-10-09
Method : nanoHPLC-MS Proteomics
Client : Regenify

Nano High Performance Liquid Chromatography (HPLC) – Mass Spectrometry (MS)



Cerebrolysin consists of hundreds to thousands of small molecules and peptides generated by the enzymatic hydrolysis of porcine brain tissue.

Peptides and their parent proteins can be identified from complex hydrolysates using proteomics. Proteomics uses the fragmentation function of a mass spectrometer to isolate and fragment molecules as they are separated by the HPLC, in this case a nanoHPLC to increase sensitivity. Fragmentation provides sequence information that can be used by various software to identify peptides. The chromatogram above represents the detected compounds that were fragmented by the mass spec over the course of a 225 minute analysis.

Analysis Performed by
Ken Pendarvis, ChE
Analytical Chemist
MZ Biolabs
contact@mzbiolabs.com



2025-10-14

Cerebrolysin 30 mg

Analysis Results

25 proteins and isoforms were identified from a porcine (*Sus scrofa*) database from UniProt.org.
3 detected proteins, listed below, have published expression data from in cerebral tissue.

Selected cerebral proteins identified in the analysis include:

Synapsin-1 (Accession [B7TY10](#))

5 peptides identified

AGGPGAPPAARPPASPS, AGGPGAPPAARPPASPSQ, LQRPQPPPPPPAAPSPG, PVAGGPGAPPAARPPASPS, QRQGPPQKPPGPAGPT

Neurofilament medium chain (Accession [A0A5G2QW19](#))

1 peptide identified

EKVEGEGGKEEGGL

Amphiphysin (Accession [A0A5G2R5I4](#))

1 peptide identified

GPPVPPLPK

Porcine species source – CONFIRMED

Cerebrum tissue source – CONFIRMED

Regenify
AMINOS

Analysis Performed by
Ken Pendarvis, ChE
Analytical Chemist
MZ Biolabs
contact@mzbiolabs.com



2025-10-14