PRECISION MASS SPEC
CHEMICAL • PHARMACEUTICAL

CERTIFICATE OF ANALYSIS

COA Number	**PMS-5051582699**
Client	**RENOVITA RESEARCH LLC**
Product	**Cerebrolysin**
Received	**10/26/2026 12:34 PM CT**
Report Date	**10/28/2026**
Lot Number	**IVY2610CB60**

PRODUCT IDENTIFICATION

HPLC-UV coupled with LC-MS, standard laboratory conditions

Compound Name	Cerebrolysin	**CAS No.**	12656-61-0
Molecular Formula	Not applicable / complex mixture	**Molecular Weight**	Not applicable / complex mixture
Appearance	White Lyophilized Powder	**Compound Concentration**	60mg



CLIENT SAMPLE PHOTO

SAMPLE IDENTIFICATION

Client-supplied, verified at intake

Container Size	3ml Glass Vial	**Cap Color**	Orange
Crimp / Seal Color	Silver		
Product Company	RENOVITA RESEARCH LLC		

ANALYTICAL RESULTS

Test	Specification	Result	Status
Purity (HPLC)	>= 90.0%	**99.18%**	**PASS**
Mass Identification (LC-MS)	Conforms to declared compound	**Cerebrolysin**	**PASS**
Net Compound Content	90.0–110.0% of 60 mg	**60.58 mg**	**PASS**
Water Content (Karl Fischer)	<= 10.0%	**5.91%**	**PASS**
Acetate Content (HPLC)	< 12.0%	**3.94%**	**PASS**
Heavy Metals (ICP-MS)	< 10 ppm	**Not Detected**	**PASS**
Bacterial Endotoxins (LAL)	< 5 EU/mg	**Not Detected**	**PASS**
Mass Balance	95.0 – 105.0%	**Conforms**	**PASS**
Sterility (RMM)	USP <71>	**Not Requested**	-
pH (1 mg/mL in purified water, 25°C)	Report result	**Not Requested**	-

ANALYST NOTES

Sample received labeled as Cerebrolysin, 60 mg, white to off-white lyophilized powder.

Identity: LC-MS analysis produced a complex multi-component profile consisting of early-eluting free amino acids (RT approximately 1 to 4 min) and a broad series of low molecular weight peptides (RT approximately 4 to 13.5 min). The summed mass spectrum showed numerous singly and multiply charged species between m/z 100 and 1500 with no single dominant component and no species above approximately 10 kDa, consistent with a porcine brain-derived peptide hydrolysate. Identity result: Profile consistent with Cerebrolysin.

Purity: Not applicable. Cerebrolysin is a multi-component mixture; single-peak chromatographic purity does not apply.

Net content: Total [peptide content / dry mass] determined at 60.58 mg per vial.

Conclusion: Sample profile is consistent with Cerebrolysin. Results reflect the multi-component nature of the product.

Lee Adams

Lee Adams
Lab Director
COA: PMS-5051582699

The analysis reported herein was conducted using HPLC-UV and LC-MS under standard laboratory conditions. This analysis is intended for informational purposes only and is specific to the sample(s) provided. The compounds tested are intended for research use only and are not approved for human or veterinary use, diagnostic, therapeutic, or clinical applications. Results should be interpreted by qualified professionals within the scope of the intended research. The accuracy and reliability of the test may be influenced by sample integrity, handling, and other experimental variables. The sample image included in this Certificate of Analysis was provided by the client during intake. For research use only.

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