

CERTIFICATE OF ANALYSIS

Base Peptides - Sample Quality Document

Product	Cerebrolysin	Lot No.	BP-CEREB-2604-107
CAS No.	Mixture	Report No.	COA-2604-007
Formula	Not applicable - peptide/amino acid mixture	Mfg. Date	2026-04-18
Molecular Weight	<10,000 Da distribution	Retest Date	2028-04-17
Specification	215.2 mg/10 mL ampule equivalent	Storage	-20 C, protected from light and moisture

Sequence / structural descriptor: Porcine brain-derived low molecular weight peptide fraction; identity by peptide map

Test	Method	Specification	Result	Status
Appearance	Visual inspection	White to off-white lyophilized powder or cake; product-specific color acceptable	Conforms	Pass
Identity	LC-MS / peptide map	Consistent with Cerebrolysin reference standard	Conforms	Pass
Molecular ion	ESI-MS	Expected: <10,000 Da distribution	Observed within method tolerance	Pass
Purity	RP-HPLC, 214 nm	>= 98.0% area	98.90%	Pass
Peptide content / assay	HPLC/UV vs standard	95.0 - 105.0% of label claim	97.5%	Pass
Water content	Karl Fischer	<= 6.0%	2.2%	Pass
Residual TFA	Ion chromatography	<= 0.25%	0.03%	Pass
Acetate / counter-ion	Ion chromatography	Report result	3.4%	Pass
Bacterial endotoxin	LAL chromogenic	<= 0.5 EU/mg	0.06 EU/mg	Pass
Bioburden	USP <61>	<= 100 CFU/g	<10 CFU/g	Pass
Heavy metals	ICP-MS screen	Pb, Cd, As, Hg each <= 1 ppm	Each <0.1 ppm	Pass
Fill verification	Gravimetric / assay calc.	Meets 215.2 mg/10 mL ampule equivalent nominal	100.5% of nominal	Pass

Conclusion: The sample batch meets the listed example specifications for identity, purity, assay, residuals, microbial limits, endotoxin, and heavy metals. Analytical results are representative examples for template recreation. Actual release COAs require batch-specific testing, controlled reference standards, validated methods, authorized review, and traceable raw data.

Prepared by	QA Review	Authorized Release
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