Certificate Of Analysis

NO:026-A73-TSX

Peptide Name	GDF-8		
Molecular Formula	$C_{1232}H_{1934}N_{344}O_{384}S_{16}$	**Manufacturing**	2026/09/05
Molecular Weight	24.8 kDa (Dimer) / 12.4 kDa (Monomer)	**Report Date**	2026/09/10
CAS No.	901758-09-6 / 215454-94-3	**Re-test Date**	2028/09/05
Appearance	White lyophilized powder	**Packing size**	1Kg/bag
Reference Standard	Reference Ch.p	**Storage conditions**	Store at -20°C (Avoid light and moisture)
Sequence	DFGLDCDEHSTESRCCRYPLTVDFEAFGWDWIIAPKRYKANY CSGECEFVFLQKYPHTHLVHQANPRGSAGPCCTPTKMSPINM LYFNGKEQIIYGKIPAMVVDRCGCS		

Tests	Specifications	Results
Appearance	White lyophilized powder / cake	Conforms
Identification (MS / SDS-PAGE)	Conforms to theoretical MW (12.4 kDa monomer / 24.8 kDa non-reduced dimer)	Conforms
Purity(HPLC)	≥98.0%	99.15%
Assay (Protein Content)	90.0% - 110.0%	98.0%
Biological Activity	ED50 <= 0.1 ug/mL	Conforms
Water Content (Karl Fischer)	≤ 5.0%	2.8%
Total Impurities (HPLC)	≤ 2.0%	0.85%
Bacterial Endotoxins	≤ 0.50 EU/mg	< 0.10 EU/mg

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Limit To Research And Submission Use
Not For Direct Human Application

Analyst: Warden Zhao **QC Director:** Melker Zhu **Checker**： Bowen Yang