

# CERTIFICATE OF ANALYSIS

Product Name	LGF-1 LR3; Recombinant Human Long Arg3 insulin-like growth factor-1	CAS NO.	946870-92-4
Batch NO.	NCIGF251015	Molecular formula	C400H625N111O115S9
Manufacture Date	Oct. 15, 2025	Molecular weight	9117.5
Sequence	MFPAMPLSSL FVNGPRTLGG AELVDALQFV CGDRGFYFNK PTGYGSSSR APQTGIVDEC CFRSCDLRRL EMYCAPLKPA KSA		

TEST	SPECIFICATION	RESULTS
Appearance	White powder	Conforms
Identity by HPLC	The retention time of the main principal of the test Solution corresponds to that of the reference Solution, as obtained in the assay	Conforms
Solubility	Soluble in water	Conforms
Purity(HPLC)	≥98%	99.2%
Mass Spectrum	9112±0.5	9112
Water	≤10.0%	4.4%
Sterility	Should be sterile	Sterile
pH	6.0~8.0	7.1
Content	Labelled Amount ±10%	Conforms
Bacterial Endotoxins	≤5.0EU/mg	Conforms
Cellular activity	≥1000000IU/mg	5000000IU/mg
Conclusion	This product conforms to the Enterprise Standard.	

**Note: this product is intended for research use only**

**Important: Stable at 2-8°C, but should be kept at -20°C for long term storage, preferably desiccated.**

**QC DIRECTOR: GE LINGLING**

**CHECKER:MIUQIN**

**INSPECTOR:QIAN YUN**