Certificate Of Analysis

NO:026-O88-TSX

Peptide Name	Orexin B		
Molecular Formula	$C_{123}H_{212}N_{44}O_{35}S$	**Manufacturing**	2026/09/08
Molecular Weight	2899.34	**Report Date**	2026/09/13
CAS No.	205640-91-1	**Re-test Date**	2028/09/08
Appearance	White to off-white powder	**Packing size**	1Kg/bag
Reference Standard	Enterprise Standard	**Storage conditions**	-15℃ to -25℃
Sequence	RSGPPGLQGRLQRLLQASGNHAAGILTM-NH2		

Tests	Specifications	Results
Appearance	White to off-white powder	Conforms
Solubility	Soluble in water	Conforms
Purity (HPLC)	≥ 98.0%	99.1%
Water Content (Karl Fischer)	≤ 8.0%	4.5%
Related Substance (By HPLC)	Total Impurities(%) ≤ 2.0%	0.9%
	Largest Single Impurity(%) ≤ 1.0%	0.5%
Organic Solvent Residue	Acetonitrile ≤ 0.041%	< 0.041%
Mass Spectrometry (MS)	Conforms to structure	Conforms

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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