



武汉福鑫化工有限公司

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CERTIFICATE OF ANALYSIS

Products Name	CAS NO.	Batch No.
Retatrutide	2381089-83-2	20240620
Mfg. Date	Exp. Date	Package
Jun., 20, 2024	Jun., 19, 2026	25kg/ Box/Bag/Drum

Items	Specifications	Results
Appearance	White to off white powder	Conforms
Solubility	Freely Soluble in water	Conforms
Identifacation	The retention time of the main principal of the test Solution corresponds to that of the reference Solution, as obtained in the assay.	Conforms
pH	6.0 to 9.0	7.1
Clarity and color of the solution	The solution should be clear and colorless	Conforms
Water content (K.F)	$\leq 8.0\%$	1.8%
Acetic acid	$\leq 0.5\%$	ND
Trifluoroacetic acid	$\leq 0.5\%$	ND
Sodium ion	$\leq 5.0\%$	1.8%
Residual solvent	Methanol $\leq 3000\text{ppm}$	10ppm
	Acetonitrile $\leq 410\text{ppm}$	60ppm
	Dichloromethane $\leq 600\text{ppm}$	ND
	N,N-Dimethylformamide $\leq 880\text{pm}$	40ppm
Related substances	Maximum single impurity $\leq 0.5\%$	0.32%

	Total impurities $\leq 2.0\%$.	0.81%
Purity(HPLC)	$\geq 98.0\%$	99.1%
Bacterial Endotoxin test	$< 10\text{EU/mg}$	Conforms
Assay	95.0% ~ 105.0%	99.8%
Assay of Peptide	$\geq 85.0\%$	95.5%
Conclusion	The product conforms to In house standard	

Q.C.: Luo Xiaofeng

Tester: AT02

Re-tester: AT03

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