

# Certificate of Analysis



## Product Identification

Catalog number	HB5323	
Compound name	Orexin B (human)	
Amino acid sequence	RSGPPGLQGRLQRLQASGNHAAGILTM	H-Arg-Ser-Gly-Pru-Pru-Gly-Leu-Gln-Gly-Arg-Leu-Gln-Arg-Leu-Leu-Gln-Ala-Ser-Gly-Asn-Ile-Ala-Ala Gly Ile Leu Thr Met NH2
Modifications	Met-28 is C-terminal amide	
Batch number	E0984-1-1	
Batch molecular formula	C <sub>123</sub> H <sub>212</sub> N <sub>44</sub> O <sub>35</sub> S	
Batch molecular weight	2899.14	
Salt form	TFA Salt	

Method	QC requirement	QC Result
HPLC	Reverse Phase HPLC shows >95% purity	Meets specification: 95.74%
Peptide content	Peptide content between 60 % and 100 %	Meets specification:79%
Mass spectrum	Mass spec analysis consistent with structure	Meets specification
Physical appearance	White to off-white solid	Meets specification: White solid
Solubility	Soluble in water (1 mg/ml)	Meets specification

Produced by

Signature

Passed by

Signature

Date

05-04-19

This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.