

# Certificate of Analysis



Product Identification		
Catalog number	HB2937	
Compound name	Orexin A (human, rat, mouse)	
Amino acid sequence	XPLPDC* <sup>C</sup> RQKTC* <sup>SC</sup> RLYELLHGAGNHAAGILTL- Amidation	H-Pyr-P <sup>10</sup> -Leu-P <sup>10</sup> -Asp-Cys(1)-Cys(2)-Arg-Gln- Lys-Thr-Cys(1)-Ser-Cys(2)-Arg-Leu-Tyr-Gln-Leu- Leu-His-Gly-Ala-Gly- <sup>Am</sup> His-Ala-Ala-Gly-Ile Leu-Thr-Leu-NH <sub>2</sub>
Modifications	X = Clp, Disulfide bonds 6 - 12 and 7 - 14, C-terminal	
Batch number	E1053-1-1	
Batch molecular formula	C <sub>132</sub> H <sub>213</sub> N <sub>17</sub> O <sub>44</sub> S <sub>4</sub>	
Batch molecular weight	3561.12	
Salt form	TFA Salt	

Method	QC requirement	QC Result
HPLC	Reverse Phase HPLC shows >95% purity	Meets specification: 95.23%
Peptide content	Peptide content between 60 % and 100 %	Meets specification: 80%
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	26-04-19

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