

# Certificate of Analysis



## Product Identification

<b>Catalog number</b>	HB1212	H-Lys-Lys-Lys-Cys(1)-Lle-Ala-Lys-Asp-Tyr-Gly-Arg-Cys(2)-Lys-Trp-Gly-Gly-Thr-Pro-Cys(3)-Cys(1)-Arg-Gly-Arg-Gly-Cys(2)-Lle-Cys(4)-Ser-Lle-Met-Gly-Thr-Asn-Cys(4)-Glu-Cys(3)-Lys-Pro-Arg-Leu-Lle-Met-Glu-Gly-Leu-Gly-Leu-Ala-OH
<b>Compound name</b>	ω-Agatoxin IVA	
<b>Amino acid sequence</b>	KKKCIADYGRCKWGGTPCCRGRGCISIMGTNCECKPRLIMEGLGLA	
<b>Modifications</b>	Disulfide bridges: 4 - 20, 12 - 25, 19 - 36, 27 - 34	
<b>Batch number</b>	E1124-1-1	
<b>Batch molecular formula</b>	C <sub>217</sub> H <sub>360</sub> N <sub>68</sub> O <sub>60</sub> S <sub>10</sub>	
<b>Batch molecular weight</b>	5202.25	

Method	QC requirement	QC Result
<b>HPLC</b>	Reverse Phase HPLC shows >95% purity	Meets specification: 98.0%
<b>Peptide content</b>	Peptide content between 60 % and 100 %	Meets specification: 100%
<b>Mass spectrum</b>	Mass spec analysis consistent with structure	Meets specification
<b>Physical appearance</b>	White to off-white solid	Meets specification: White solid
<b>Solubility</b>	Soluble in water	Meets specification

Produced by

Signature

Passed by

Signature

Date

08-07-19

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