

# Certificate of Analysis



## Product Identification

<b>Catalog number</b>	HB2915	
<b>Compound name</b>	Substance P	
<b>Amino acid sequence</b>	RPKPQQFFGLM	
<b>Modifications</b>	Met-11 = C-terminal amide	<b>Arg-Pro-Lys-Pro-Gln-Gln- Phe-Phe-Gly-Leu-Met-NH<sub>2</sub></b>
<b>Batch number</b>	E1915-1-1	
<b>Batch molecular formula</b>	C <sub>63</sub> H <sub>98</sub> N <sub>18</sub> O <sub>13</sub> S	
<b>Batch molecular weight</b>	1347.65	
<b>Salt form</b>	TFA Salt	

Method	QC requirement	QC Result
<b>HPLC</b>	Reverse Phase HPLC shows >95% purity	Meets specification: 95.9%
<b>Peptide content</b>	Peptide content between 60 % and 100 %	Meets specification: 73.92%
<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 (0.8 mg/ml)	Meets specification

Produced by  
Richard Patterson

Signature

Passed by  
Steve Roome

Signature

Date

28-03-22

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