

## CERTIFICATE OF ANALYSIS

### Product Information

<b>Product Name:</b>	MOTS-c
<b>Lot No.:</b>	VI2120251117-10
<b>Sequence:</b>	Met - Arg - Trp - Gln - Glu - Met - Gly - Tyr - Ile - Phe - Tyr - Pro - Arg - Lys - Leu - Arg
<b>Modifications:</b>	N/A

### Quality Control

Test Items	Specifications	Results
<b>Appearance</b>	White to off-white lyophilized powder	White to off-white lyophilized powder (Conforms)
<b>Molecular Weight (MS)</b>	2174.63±1.0 Da	2174.85 Da
<b>Purity by HPLC</b>	>98%	99.4%
<b>Retention Time (HPLC)</b>	±0.2min of Standard	Conforms
<b>Net Peptide Content</b>	≥10mg	11.7mg
<b>Solubility</b>	10 mg/1ml H <sub>2</sub> O	Clearly soluble
<b>Acetic acid content</b>	≤12.0%	4.0%
<b>TFA Content</b>	≤0.500%	Conforms
<b>DCM Content</b>	≤0.060%	N.D.
<b>DMF Content</b>	≤0.088%	0.076%
<b>Total Aerobic Count</b>	≤100CFU/g	Conforms
<b>Yeast &amp; Molds Count</b>	≤100CFU/g	Conforms
<b>Endotoxins</b>	≤0.5EU/mg	Conforms

Storage Conditions: -20°C.

Quality Control: Mike P.