

# Chem-Impex International, Inc.

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825 Dillon Drive

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## Certificate of Analysis

<b>Catalogue Number</b>	10000
<b>Lot Number</b>	000127-1023423
<b>Product</b>	<b>Substance P (9-11)</b>
	H-Gly-Leu-Met-NH <sub>2</sub> •HCl
<b>CAS Number</b>	40297-96-9
<b>Molecular Formula</b>	C <sub>13</sub> H <sub>26</sub> N <sub>4</sub> O <sub>3</sub> S•HCl
<b>Molecular Weight</b>	354.93
<b>Appearance</b>	Off-white crystalline powder with clumps
<b>Solubility</b>	Clear, colorless solution (10 mg/ml Water)
<b>Analysis by Mass Spectra</b>	M = 317.9u (average mass)
<b>Assay</b>	86.4% (Nth 17.59, Nfd 15.20%)
<b>Purity by HPLC</b>	99.1% (TFA); 98.1% (NaClO <sub>4</sub> )
<b>Storage</b>	Store at -20°C
<b>Additional Information</b>	Chloride content = 10.2% (AgNO <sub>3</sub> titration), The product is sensitive to oxidation
<b>Remarks</b>	See material safety data sheet for additional information For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



**Bala Kumar**  
**Quality Control Manager**