

# Certificate of Analysis

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**Product Name:** Somatostatin

**Catalog No.:** 1157

**Batch No.:** 19

CAS Number: 51110-01-1

EC Number: 256-969-7

## 1. PHYSICAL AND CHEMICAL PROPERTIES

**Batch Molecular Formula:** C<sub>76</sub>H<sub>104</sub>N<sub>18</sub>O<sub>19</sub>S<sub>2</sub>  
**Batch Molecular Weight:** 1637.88  
**Physical Appearance:** White lyophilised solid  
**Counter Ion:** Acetate  
**Solubility:** Soluble to 0.30 mg/ml in water  
**Storage:** Store at -20°C  
**Peptide Sequence:** Ala-Gly-Cys-Lys-Asn-Phe-Phe-Trp-Lys-Thr-  
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Phe-Thr-Ser-Cys

## 2. ANALYTICAL DATA

**HPLC:** Shows 99.5% purity  
**Mass Spectrum:** Consistent with structure

## 3. AMINO ACID ANALYSIS DATA

Amino Acid Theoretical Actual			Amino Acid Theoretical Actual		
Ala	1.00	1.01	Lys	2.00	1.98
Arg			Met		
Asx	1.00	1.02	Phe	3.00	3.00
Cys	2.00	Not Detected	Pro		
Glx			Ser	1.00	0.90
Gly	1.00	1.01	Thr	2.00	1.97
His			Trp	1.00	Not Detected
Ile			Tyr		
Leu			Val		

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

