

# Certificate of Analysis

**Product Name :** Ipamorelin acetate ≥98%  
**Product Number :** SML1322-BULK  
**Batch Number :** 065M4736V  
**CAS Number :** 170851-70-4 (free base)  
**Storage Temperature :** -20°C  
**Molecular Formula :** C<sub>38</sub>H<sub>49</sub>N<sub>9</sub>O<sub>5</sub> · xC<sub>2</sub>H<sub>4</sub>O<sub>2</sub>  
**Formula Weight :** 711.85(free base basis) g/mol  
**Quality Release Date :** 15 May 2015

Test	Specification	Result
Appearance (Color)	White to Yellow to Beige	White
Appearance (Form)	Powder	Powder
Solubility (Turbidity)	Clear	Clear
Concentration	≥ 2.0 mg/mL	44.0 mg/mL
H <sub>2</sub> O		
Purity (HPLC)	≥ 97.5 %	99.6 %
Identity	Confirmed	Confirmed
Water Content	0.0 - 4.5 mol	3.0 mol
moles/mole of product		
Salt Content	1.5 - 3.5 mol	2.4 mol
Elemental Composition	Pass	Pass



Brendan Nye, QC Supervisor

Quality Control

Natick, Massachusetts

US

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at [Sigma-Aldrich.com](http://Sigma-Aldrich.com). For further inquiries, please contact Technical Service. Purchase must determine the suitability of the product for its particular use. See reverse side of website or packing slip for additional terms and conditions of sale

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