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Certificate of Analysis

Product Name:

Insulin human – recombinant, expressed in yeast (proprietary host)

Product Number: I2643
Batch Number: SLBQ7987V
Brand: SIGMA
CAS Number: 11061-68-0
MDL Number: MFCD00131380
Formula: C257H383N65O77S6
Formula Weight: 5,807.57 g/mol
Storage Temperature: Store at -20 °C
Quality Release Date: 07 MAR 2016

Test	Specification	Result
Appearance (Color)	White to Off-White	White
Appearance (Form)	Powder	Powder
Solubility (Color)	Colorless	Colorless
Solubility (Turbidity)	Clear	Clear
20 mg/ml ,0.01 M HCl		
Loss on Drying	≤ 10.0 %	5.8 %
Zinc (Zn)	≤ 1.0 %	0.4 %
(dried basis)		
Purity (HPLC)	≥ 98 %	99 %
Potency for Insulin	≥ 27.5 UN/mg	28.4 UN/mg
(dried basis)		



Rodney Burbach, Manager
Analytical Services
St. Louis, Missouri 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. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.