

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: www.sigmaldrich.comEmail USA: techserv@sial.comOutside USA: eurtechserv@sial.com

Product Specification

Product Name:
Insulin from bovine pancreas - ≥ 25 USP units/mg (HPLC), powder

Product Number: I5500
CAS Number: 11070-73-8
MDL: MFCD00131380
Formula: C₂₅₄H₃₇₇N₆₅O₇₅S₆
Formula Weight: 5,733.49 g/mol
Storage Temperature: -20 °C

TEST	Specification
Appearance (Color)	White to Off White
Appearance (Form)	Powder
Solubility (Color)	Colorless
Solubility (Turbidity)	Clear
2 mg/mL in H ₂ O adjusted to pH 2.0 with HCl	
Loss on Drying	≤ 10 %
Nitrogen (Dry Basis)	14.5 - 16.5 %
Potency (HPLC)	≥ 25
USP units/mg dry basis	
Zinc (dry basis)	≤ 1.0 %
Endotoxin Level	≤ 0.5 EU/mg
Recommended Retest Period	-----
2 years	

Specification: PRD.2.ZQ5.10000048875

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.