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## Product Specification

Product Name:  
Insulin human – meets USP testing specifications

**Product Number:** I0908  
**CAS Number:** 11061-68-0  
**MDL:** MFCD00131380  
**Formula:** C<sub>257</sub>H<sub>383</sub>N<sub>65</sub>O<sub>77</sub>S<sub>6</sub>  
**Formula Weight:** 5,807.57 g/mol  
**Storage Temperature:** -20 °C

TEST	Specification
Identity	Pass
Total Bacterial Count	≤ 300
Microbial Enumeration tests and Absence of Specified Microorganism; Expressed in CFU/g	
Endotoxin Level	≤ 10 EU/mg
USP Endotoxins units/mg	
Loss on Drying	≤ 10.0 %
Zinc (Zn)	≤ 1.0 %
Dry basis	
Limit Test	≤ 1.0 %
High molecular weight proteins	
Assay	≥ 27.5 UN/mg
dry basis	
USP Insulin Human Units/mg	
Related Compound	≤ 2.0 %
Residual Solvents USP 467	Meets Requirements
Host Cell Derived Protein	Pass
< or = 10ppm	

Specification: PRD.3.ZQ5.10000028346

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. 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.

