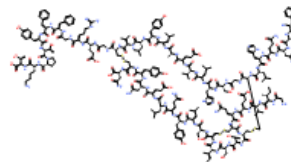


Certificate Of Analysis

Name: Insulin Human recombinant
CAS No.: 11061-68-0
Cat No.: A901786
Batch No.: I16032017
Mfg.Date: 2017.03.16
Exp.Date: 2019.03.15



Items	Specifications	Results
Appearance	White or off-white crystalline powde	Conforms
Related material	A21 Deaminate human insulin \leq 1.5%	0.12%
	The total area of other impurities \leq 2.0%	0.35%
High polymer protein	\leq 1.0%	0.079%
Loss on drying	\leq 10%	1.89%
Residue on ignition	\leq 2.0%	1.0%
zinc (Zn)	\leq 1.0%	0.42%
Biological activity	$>$ 15IU/MG	19IU/MG
Residual solvent	Methanol \leq 0.3%	N.D.
	Acetonitrile \leq 0.041%	N.D.
	Etanol \leq 0.5%	N.D.
Purity	Calculated on the anhydrous substance, Insulin Human recombinant (including A21 Deaminate human insulin) 95.0~105.0%	96.8%
Conclusion	The product tested complies with the specifications.	

Storage condition: Store in a tightly closed container in a cool and dry place.

Checker:

** If you have any comments and suggestions, please contact us by sales@amadischem.com*