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## Certificate of Analysis

10 Old Barn Road • Lake Placid, NY 12946  
Technical Support: T: 800 548-7853 • F: 518 523-4513  
email: techserv@upstate.com  
Sales Department: T: 800 233-3991 • F: 781 890-7738  
Licensing Dept.: 800 310-4659  
www.upstate.com

### Insulin

(Arg-Insulin)

Catalog # 01-207

Lot # 26530

**Product Description:** Recombinant human insulin, containing an additional Arg at the N-terminus, expressed in *E. coli*.

**Molecular Formula:** C<sub>263</sub>H<sub>395</sub>N<sub>69</sub>O<sub>78</sub>S<sub>6</sub>

**Molecular Weight:** 5963.8Da.

**Purity:** > 95% as determined by HPLC analysis.

**Quantity:** 10mg.

**Physical Form:** White powder.

**Rehydration:** Rehydrate to 1mg/ml with 0.1N hydrochloric acid for a clear colorless solution.

**Storage and Stability:** Store desiccated. Stable for 2 years at -20°C from date of shipment.

**FOR RESEARCH USE ONLY  
NOT FOR USE IN HUMANS**

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### Research Applications

This product can be used to replace human or bovine insulin in mammalian cell culture, however it has approximately one-third the binding capacity to human placental insulin receptors.