

## CERTIFICATE OF ANALYSIS

Data Update: 03/10/2009

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Product	Interferon (IFN)- $\gamma$ , human
Product Cat. No.	Z00357
Lot No.	0376462
Storage	Lyophilized (IFN)- $\gamma$ should be stored below $-18^{\circ}\text{C}$ . Upon reconstitution (IFN)- $\gamma$ should be stored at $4^{\circ}\text{C}$ between 2-7 days and for future use below $-18^{\circ}\text{C}$ . For long-term storage it is recommended to add a carrier protein (0.1% HSA or BSA).

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Test Items	Specifications	Results
Bioactivity	VSV-WISH cell viral resistance assay	$1.10 \times 10^7$ IU/mg
Concentration	Lowry method	0.50 mg/ml
Specificity	More than $1.5 \times 10^7$ IU/mg	$2.20 \times 10^7$ IU/mg
Purity	Using SDS-PAGE to test purity more than 95%	Qualified
	Using RP-HPLC to test purity more than 95%	97.5%
Molecular Weight	Using Tricine-SDS-PAGE to test MW 16.90 kDa +/-10%	Qualified
Endotoxin	Using LAL Test to test endotoxin level less than 0.1ng/ $\mu\text{g}$	Qualified
First Five N-terminal Amino Acids	Amino-Acid Sequence to determine the first five amino acids: Met-Gln-Asp-Pro-Tyr	Qualified

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**Caution:**

For laboratory or further manufacturing use only. Not intended for household use. If you have any questions about the Certificate of Analysis, please contact our customer service representative at 1-877-436-7274 (Toll-Free), or 1-732-885-9188.

Certified by: *Richard* Date: 03/09/2009  
Quality Assurance Department