

CERTIFICATE OF ANALYSIS

Data Update: 03/10/2009

Product	Parathyroid Hormone (PTH) (1-84 PTH), human
Product Cat. No.	Z02021
Lot No.	0377171
Storage	Lyophilized PTH should be stored below -18°C. Upon reconstitution PTH should be stored at 4°C between 2-7 days and for future use below -18°C. For long-term storage it is recommended to add a carrier protein (0.1% HSA or BSA).

Test Items	Specifications	Results
Bioactivity	Calculated by UMR106 cell/cAMP method	1.20×10 ⁴ IU/mg
Concentration	Lowry method	1.0 mg/ml
Specificity	More than 1.0×10 ⁴ IU/mg	1.20×10 ⁴ IU/mg
Purity	Using SDS-PAGE to test purity more than 98%	Qualified
	Using IEX-FPLC to test purity more than 98%	Quantified
	Using RP-HPLC to test purity more than 98%	98.1%
Molecular Weight	Using Tricine-SDS-PAGE to test MW 9.0 kDa +/-10%	Qualified
Endotoxin	Using LAL Test to test endotoxin level less than 0.1ng/μg	Qualified
First Five N-terminal Amino Acids	Amino-Acid Sequence to determine the first five amino acids: Ser-Val-Ser-Glu-Ile	Qualified

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