

Certificate of Analysis

Description: Recombinant Parathyroid Hormone 1-34 (Human)

Expiry Date: 09-25-2015

Cat #: HEOPP-16052

Lot #: Y30103101

Size: 100 µg/vial

Test Parameters	Specification	Result
Purity ¹	Sample must exhibit >97% purity.	97.77%
Biological Activity ²	The ED ₅₀ must be less than 50 ng/mL, corresponding to a specific activity of >2.0 x 10 ⁴ IU/mg.	2.45 x 10 ⁴ IU/mg
Molecular Weight ³	Sample must have a molecular weight of 4.1 ± 0.4 kDa.	Pass
Endotoxin ⁴	Results must show ≤ 1.0 EU/µg.	≤ 0.02 EU/µg
Physical Appearance	Sample must have a white, lyophilized powder appearance.	Pass

Notes:

1. The sample is assayed for purity by SDS-PAGE and HPLC analyses.
2. The ED₅₀ is determined by a cell proliferation assay using murine MC3T3E1 cells.
3. The sample is tested for molecular weight using SDS-PAGE.
4. The sample is tested for endotoxin contamination with LAL test.



Jane Chen
QA Manager
Sep 26, 2013