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APPLICATION NUMBER:

203441Orig1s000

MICROBIOLOGY REVIEW(S)



Product Quality Microbiology Review

29 MARCH 2012

NDA: 203441/N-001

Drug Product Name

Proprietary: GATTEX

Non-proprietary: Teduglutide [rDNA origin] powder for sc injection

Review Number: 1

Dates of Submission(s) Covered by this Review

Submit	Received	Review Request	Assigned to Reviewer
16 August 2011	16 August 2011	28 December 2011	5 January 2012
30 November 2011	30 November 2011	28 December 2011	5 January 2012

Submission History (for amendments only): N/A

Applicant/Sponsor

Name: NPS Pharmaceuticals

Address: 550 Hills Drive, 3rd Floor, Bedminster, NJ 07921

Representative: Sandra C. Cottrell, MA, Ph.D.

Telephone: 908-450-5300

Name of Reviewer: Bryan S. Riley, Ph.D.

Conclusion: Recommended for Approval



Product Quality Microbiology Data Sheet

- A. 1. TYPE OF SUBMISSION: 505(b)(1) original NDA
 - 2. SUBMISSION PROVIDES FOR: A sterile parenteral drug product
 - 3. MANUFACTURING SITE: Hospira, Inc.

1776 N. Centennial Drive McPherson, KS 67460

- 4. DOSAGE FORM, ROUTE OF ADMINISTRATION AND STRENGTH/POTENCY: Sterile lyophilized powder in a glass vial for subcutaneous injection, 10 mg/mL.
- 5. METHOD(S) OF STERILIZATION: (b) (4)
- **6. PHARMACOLOGICAL CATEGORY:** Treatment of Adults with Short Bowel Syndrome (SBS)
- B. SUPPORTING/RELATED DOCUMENTS: DMF (b) (4)
- C. **REMARKS:** This was an eCTD submission.

filename: N203441R1.doc



Executive Summary

- I. Recommendations
 - **A.** Recommendation on Approvability This submission is recommended for approval on the basis of product quality microbiology.
 - B. Recommendations on Phase 4 Commitments and/or Agreements, if Approvable -N/A
- II. Summary of Microbiology Assessments
 - A. Brief Description of the Manufacturing Processes that relate to Product Quality Microbiology The drug product is sterile

 (b) (4) and lyophilized.
 - B. Brief Description of Microbiology Deficiencies N/A
 - C. Assessment of Risk Due to Microbiology Deficiencies N/A
- III. Administrative
 - A. Reviewer's Signature

 Bryan S. Riley, Ph.D.

 Senior Review Microbiologist, OPS/NDMS
 - B. Endorsement Block

 John W. Metcalfe, Ph.D.

 Senior Review Microbiologist, OPS/NDMS
 - C. CC Block N/A

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This is a representation of an electronic record that was signed electronically and this page is the manifestation of the electronic signature.			
/s/			
BRYAN S RILEY 03/30/2012			
JOHN W METCALFE 03/30/2012			



I concur.

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