# Serrapeptase 250,000 SPU

Third-Party Testing Specification

**Reference Lot: 6798**

## Tests to Conduct

| Test | Specification | Method |
|---|---|---|
| Identity | Confirms material is serrapeptase, not a substitute | USP proteolytic assay |
| Potency / Enzyme Activity | ≥250,000 SPU/capsule | USP proteolytic assay |
| Heavy Metals — Arsenic | ≤10 mcg/mdd* | ICP-MS, USP <730> |
| Heavy Metals — Cadmium | ≤4.1 mcg/mdd* | ICP-MS, USP <730> |
| Heavy Metals — Mercury | ≤3 mcg/mdd* | ICP-MS, USP <730> |
| Heavy Metals — Lead | ≤2.75 mcg/mdd* | ICP-MS, USP <730> |
| Microbial — E. coli | Negative/10g | WI.05.04-15 |
| Microbial — Salmonella | Negative/25g | ISO 6579:2002 |
| Microbial — S. aureus | Negative/10g | SMEDP 16th |
| Microbial — Enterobacteriaceae | <100 CFU/g | AOAC 2003.01 |
| Microbial — Aerobic Plate Count | <3,000 CFU/g | AOAC 966.23 |
| Microbial — Total Yeast and Molds | <10,000 CFU/g | AOAC 2014.05 |
| Disintegration — Gastric | No disintegration, 0–60 minutes | USP <2040> |
| Disintegration — Intestinal | Complete disintegration, 0–60 minutes | USP <2040> |

**mdd = maximum daily dose, based on 3 capsules*

## Method Requirement

Use the exact method specified for each test above. Do not substitute an alternative method for any test, even where an alternative method may also be valid for that test category.

## Report Requirements

Each report must include: lot number, test date, declared specification, measured result, pass/fail status, and method used for every test listed above.

Provide reports in a format suitable for public display: no confidential account details, signatures, or proprietary information included.