

Certificate of Analysis

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|------------------------------|---------------------------------------|
| Product Description: | APD IV |
| Size, Shape, Color: | "1" Vegetarian Capsule, Oblong, White |
| Lot #: | 8030 |
| Date of Manufacture: 07/2012 | Expiration Date: 08/2013 |
| Serving Size: | 1 capsule |

| ITEM | SPECIFICATIONS | RESULT |
|--------------------------------|-------------------------|-----------------------|
| Probiotic Blend: | NLT 50 Billion CFUs/cap | 95.5 Billion CFUs/cap |
| <i>Lactobacillus rhamnosus</i> | NLT 20.0 billion CFUs | 20.0+ billion CFUs* |
| <i>Lactobacillus casei</i> | NLT 20.0 billion CFUs | 20.0+ billion CFUs* |
| <i>Bifidobacterium bifidum</i> | NLT 10.0 billion CFUs | 10.0+ billion CFUs* |

*by input

OTHER INGREDIENTS:

Vegetarian capsule (hydroxypropyl methylcellulose, water), InTactic® proprietary polysaccharide complex, and L-leucine.

Disintegration USP 29 (2040) NMT 45 minutes 5 minutes

| MICROBIOLOGY | METHODOLOGY | SPECIFICATIONS | RESULTS |
|-------------------------------|------------------------|---------------------|-----------------------|
| Total Plate Count | DP 16 th Ed | 50 Billion CFUs/cap | 95.5 Billion CFUs/cap |
| Total Viable Coliforms | AOAC 991.14 | <10 CFU/g | <10 CFU/g |
| <i>Escherichia coli</i> | AOAC 991.14 | <10 CFU/g | <10 CFU/g |
| Total Mold | BAM 8 th Ed | <10 CFU/g | <10 CFU/g |
| Total Viable Yeast | BAM 8 th Ed | <10 CFU/g | <10 CFU/g |
| <i>Staphylococcus aureus</i> | BAM 8 th Ed | <10 CFU/g | <10 CFU/g |
| <i>Pseudomonas aeruginosa</i> | BAM 8 th Ed | Absent | Absent |
| <i>Salmonella spp.</i> | AOAC 991.13 | Absent | Absent |
| <i>Enterobacteriaceae</i> | BAM 8 th Ed | Absent | Absent |

OTHER TESTS

Milk Allergen **RESULTS**
Below limit of quantitation

Manufactured in the USA.

QA Manager: 

Date: 08/07/2012