



## Certificate of Analysis

|                          |                          |                         |             |
|--------------------------|--------------------------|-------------------------|-------------|
| <b>Product Name:</b>     | Digestive Enzyme Complex | <b>Lot Number:</b>      | 64041-1     |
| <b>Manufacture Date:</b> | 03/2023                  | <b>Expiration Date:</b> | 03/2025     |
| <b>Form:</b>             | Capsule                  | <b>Size:</b>            | #00         |
| <b>Capsule Color:</b>    | Clear                    | <b>Fill Color:</b>      | Tan         |
| <b>Average Weight</b>    | 580 mg/capsule           | <b>Disintegration:</b>  | NMT 30 min  |
| <b>Bottle Size:</b>      | 200 cc                   | <b>Bottle Color:</b>    | White       |
| <b>Lid Size:</b>         | 38 mm                    | <b>Lid Color:</b>       | White       |
| <b>Shrink:</b>           | 67 mm Translucent        | <b>Count per Unit:</b>  | 60 capsules |

### LABEL CLAIM SPECIFICATIONS

| Active Ingredient   | Label Claim<br>Per capsule | Specification<br>per capsule<br>(≥90%) | Method | % Found* |
|---------------------|----------------------------|----------------------------------------|--------|----------|
| Protease 1          | 20,000 HUT                 | ≥18,000 HUT                            | FCC    | 100%     |
| Protease 2          | 4,000 HUT                  | ≥3,600 HUT                             | FCC    | 100%     |
| Aspergillopepsin    | 100 SAPU                   | ≥90 SAPU                               | FCC    | 100%     |
| Amylase             | 5,000 DU                   | ≥4,500 DU                              | FCC    | 100%     |
| Lipase              | 1,250 FIP                  | ≥1,125 FIP                             | FCC    | 100%     |
| Cellulase           | 500 CU                     | ≥450 CU                                | FCC    | 100%     |
| Glucoamylase        | 50 AGU                     | ≥45 AGU                                | FCC    | 100%     |
| Invertase           | 200 SU                     | ≥180 SU                                | FCC    | 100%     |
| Alpha Galactosidase | 50 GalU                    | ≥45 GalU                               | FCC    | 100%     |
| Beta Glucanase      | 65 BGU                     | ≥58.5 BGU                              | FCC    | 100%     |
| Pectinase           | 16.9 PGU                   | ≥15.21 PGU                             | FTIR   | 100%     |
| Xylanase            | 250 XU                     | ≥225 XU                                | FCC    | 100%     |
| Phytase             | 10 FTU                     | ≥9 FTU                                 | FCC    | 100%     |
| Hemicellulase       | 1,000 HCU                  | ≥900 HCU                               | FCC    | 100%     |
| Lactase             | 500 ALU                    | ≥450 ALU                               | FTIR   | 100%     |
| Bromelain           | 900,000 PU                 | ≥810,000 PU                            | FCC    | 100%     |
| Papain              | 100,000 PU                 | ≥90,000 PU                             | FCC    | 100%     |
| Peptidase           | 160 DPPIV                  | ≥144 DPPIV                             | FCC    | 100%     |

**Other Ingredients:** Maltodextrin, vegetable capsule (Hypromellose and water), and medium chain triglycerides.

\*Verified by Raw Material Testing and Process Manufacturing (SOP 1.9, 1.6)

### MICROORGANISM TEST RESULTS

| Test                             | Specification          | Method     | Result |
|----------------------------------|------------------------|------------|--------|
| <b>Total Aerobic Plate Count</b> | <10 <sup>7</sup> cfu/g | USP <2021> | PASS   |
| <b>Yeast and Mold</b>            | <10 <sup>5</sup> cfu/g | USP <2021> | PASS   |
| <b>Enterobacteriaceae</b>        | <10 <sup>4</sup> cfu/g | USP <2021> | PASS   |
| <b>Escherichia coli</b>          | Negative               | USP <2022> | PASS   |
| <b>Salmonella spp.</b>           | Negative               | USP <2022> | PASS   |
| <b>Staphylococcus aureus</b>     | Negative               | USP <2022> | PASS   |



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### HEAVY METALS TEST RESULTS

| Test    | Specification        | Method | Result |
|---------|----------------------|--------|--------|
| Cadmium | <4.1 mcg/daily dose  | ICP-MS | PASS   |
| Arsenic | <10 mcg/daily dose   | ICP-MS | PASS   |
| Lead    | <2.75 mcg/daily dose | ICP-MS | PASS   |
| Mercury | <10 mcg/daily dose   | ICP-MS | PASS   |

Note: Testing is certified under subcontracted laboratory's ISO 17025 accreditation.

Released by:

A handwritten signature in black ink, appearing to read 'Brittan Kellogg'.

QC/QA Director

Date: 10/03/2023