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## Product Master Specification

|                                                      |                                                                                              |
|------------------------------------------------------|----------------------------------------------------------------------------------------------|
| Item Name                                            | Lactase 9000 ALU/g Vegan (Fungal)                                                            |
| Product Code                                         | NIGEENZ1003035                                                                               |
| Product Type                                         | Enzymes                                                                                      |
| Issue Date                                           | 14-Aug-2026                                                                                  |
| Version                                              | V01                                                                                          |
| QA Status                                            | Final Approved                                                                               |
| Intended use                                         | Food use                                                                                     |
| Test                                                 | Specification                                                                                |
| Organoleptic                                         |                                                                                              |
| Appearance                                           | White to Creamy powder                                                                       |
| Odour and Taste                                      | Characteristic                                                                               |
| Characteristics                                      |                                                                                              |
| Parts Used                                           | Aspergillus oryzae                                                                           |
| Activity of Enzyme                                   | ≥ 9,000 ALU/g                                                                                |
| Irradiation                                          | Free                                                                                         |
| GMO                                                  | Free                                                                                         |
| BSE/TSE                                              | Free                                                                                         |
| Particle Size                                        | ≥80% 60 mesh                                                                                 |
| Loss on Drying                                       | ≤ 8.00 %                                                                                     |
| Heavy Metals                                         |                                                                                              |
| Lead (Pb)                                            | ≤ 2.00 ppm                                                                                   |
| Arsenic (As)                                         | ≤ 1.00 ppm                                                                                   |
| Cadmium (Cd)                                         | ≤ 1.00 ppm                                                                                   |
| Mercury (Hg)                                         | ≤ 0.50 ppm                                                                                   |
| Microbiological                                      |                                                                                              |
| Total Plate Count                                    | ≤10,000cfu/g                                                                                 |
| Yeast and Mould                                      | ≤100cfu/g                                                                                    |
| Coliforms                                            | ≤30cfu/g                                                                                     |
| Escherichia coli (E. coli)                           | Not detected / g                                                                             |
| Salmonella                                           | Not detected / 25g                                                                           |
| Storage & Handling                                   |                                                                                              |
| Storage                                              | Store in a clean, cool, dry place at 5 - 25°C. Protect from humidity (RH < 60) and sunlight. |
| Preparation and/or handling before use or processing | Please ask our QA department for detailed instructions                                       |

|                            |                                                                                                                                                                                                                                                                                               |
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| <b>Transportation</b>      | Transportation suitable for dried food powders                                                                                                                                                                                                                                                |
| <b>Packaging</b>           | All packaging meets EU regulations                                                                                                                                                                                                                                                            |
| <b>Shelf Life</b>          | 1 year from manufacture if stored according to conditions above                                                                                                                                                                                                                               |
| <b>Approved by</b>         | Quality Department                                                                                                                                                                                                                                                                            |
| <b>Signed By</b>           | Shehara Premachandra                                                                                                                                                                                                                                                                          |
| <b>Disclaimer</b>          | All batches are fully in line with all requirements of the agreed specifications as standard, however not all parameters are tested per batch all of the time. Nutraceuticals Group guarantee all batches.                                                                                    |
| <b>Template Version</b>    | NGEMNSPEC202408a                                                                                                                                                                                                                                                                              |
| <b>General Information</b> | While Nutraceuticals Group strives to provide comprehensive information about all ingredients, the specific nutritional data for this product is currently not available. We recommend conducting further analysis if precise nutritional information is required for your product labelling. |