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## Product Master Specification

|                     |                                                                                    |
|---------------------|------------------------------------------------------------------------------------|
| Item Name           | Lycopene 5% Beadlets Natural Tomato Peel Extract (Lycopersicon esculentum Extract) |
| Product Code        | NIGEHER025597                                                                      |
| Product Type        | Herbal Extracts                                                                    |
| Issue Date          | 14/08/2026                                                                         |
| Version             | V01                                                                                |
| QA Status           | Final Approved                                                                     |
| Intended use        | Food use                                                                           |
| Test                | Specification                                                                      |
| Organoleptic        |                                                                                    |
| Appearance          | Dark red particles                                                                 |
| Odour and Taste     | Characteristic                                                                     |
| Latin Name          | Lycopersicon esculentum L.                                                         |
| Parts Used          | Tomato peel                                                                        |
| Assay               | Lycopene Content $\geq 5\%$                                                        |
| Irradiation         | Free                                                                               |
| GMO                 | Free                                                                               |
| BSE/TSE             | Free                                                                               |
| Physical/Chemical   |                                                                                    |
| Particle Size       | $\geq 100\%$ pass 30mesh<br>$\geq 85\%$ pass 40 mesh<br>$\leq 15\%$ pass 100mesh   |
| Loss on drying      | $\leq 8\%$                                                                         |
| Residue on Ignition | $\leq 2.0\%$                                                                       |
| Heavy Metals        |                                                                                    |
| Heavy Metals Total  | $\leq 10.00$ ppm                                                                   |
| Lead (Pb)           | $\leq 1.00$ ppm                                                                    |
| Arsenic (As)        | $\leq 1.00$ ppm                                                                    |
| Cadmium (Cd)        | $\leq 1.00$ ppm                                                                    |
| Mercury (Hg)        | $\leq 0.10$ ppm                                                                    |
| Microbiological     |                                                                                    |
| Total Plate Count   | $\leq 1000$ CFU/g                                                                  |
| Yeast and Mould     | $\leq 100$ CFU/g                                                                   |
| Coliforms           | $\leq 3.0$ MPN/g                                                                   |
| Storage & Handling  |                                                                                    |

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| <b>Storage</b>                                              | Store in a clean, cool, dry place at 5 - 25°C. Protect from humidity (RH < 60) and sunlight.                                                                                                                                                                                                  |
| <b>Preparation and/or handling before use or processing</b> | Please ask our QA department for detailed instructions                                                                                                                                                                                                                                        |
| <b>Transportation</b>                                       | Transportation suitable for dried food powders                                                                                                                                                                                                                                                |
| <b>Packaging</b>                                            | All packaging meets EU regulations                                                                                                                                                                                                                                                            |
| <b>Shelf Life</b>                                           | 2 years from manufacture if stored according to conditions above                                                                                                                                                                                                                              |
| <b>Approved by</b>                                          | Quality Department                                                                                                                                                                                                                                                                            |
| <b>Signed By</b>                                            | Leena Saikumar                                                                                                                                                                                                                                                                                |
| <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>Nutritional (Typical) / 100g</b>                         |                                                                                                                                                                                                                                                                                               |
| <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. |