



## SPECIFICATION

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| Product name: Beetroot Extract 6% Nitrates |                                                                                       |                   |                   |
|--------------------------------------------|---------------------------------------------------------------------------------------|-------------------|-------------------|
| Botanical Name                             | Beta vulgaris L. var. rubra                                                           | Part              | Root              |
| Excipient                                  | Maltodextrin(3%-10%)                                                                  | Extract Solvent   | Ethanol and Water |
| Item                                       | Standard                                                                              | Analysis Method   |                   |
| Typical Analysis                           |                                                                                       |                   |                   |
| Identification                             | Positive                                                                              | TLC               |                   |
| Nitrates                                   | ≥6%                                                                                   | UV                |                   |
| Appearance                                 | Purplish red powder                                                                   | Visual            |                   |
| Particle Size                              | 95% pass 80 mesh                                                                      | CP2005            |                   |
| Odor & Taste                               | Characteristic                                                                        | Organoleptic      |                   |
| Loss on drying                             | ≤5.0%                                                                                 | Ph. Eur. 2.2.32   |                   |
| Ash                                        | ≤5.0%                                                                                 | Ph. Eur. 2.4.16   |                   |
| <b>Heavy Metals</b>                        |                                                                                       |                   |                   |
| Lead (Pb)                                  | <2.0 ppm                                                                              | Atomic Absorption |                   |
| Arsenic (As)                               | <1.0 ppm                                                                              | Atomic Absorption |                   |
| Cadmium (Cd)                               | <1.0 ppm                                                                              | Atomic Absorption |                   |
| Mercury (Hg)                               | <0.1 ppm                                                                              | Atomic Absorption |                   |
| <b>Microorganism</b>                       |                                                                                       |                   |                   |
| Total Plate Count                          | ≤ 10,00 cfu/g                                                                         | Ph. Eur. 2.6.12   |                   |
| Total Yeast & Mold                         | ≤100 cfu/g                                                                            | Ph. Eur. 2.6.12   |                   |
| Staphylococcus aureus                      | Negative                                                                              | Ph. Eur. 2.6.13   |                   |
| Salmonella                                 | Negative                                                                              | Ph. Eur. 2.6.13   |                   |
| E. coli                                    | Negative                                                                              | Ph. Eur. 2.6.13   |                   |
| Aflatoxin (∑ B1, B2, G1, G2)               | < 10ppb                                                                               | Ph. Eur. 2.8.18   |                   |
| Aflatoxin B1                               | < 5ppb                                                                                | Ph. Eur. 2.8.18   |                   |
| Package                                    | 25 kg / fiber drum and two plastic bags inside.                                       |                   |                   |
| Shelf Life                                 | 3 Years When Properly Stored                                                          |                   |                   |
| Storage                                    | Store in well-closed container at room temperature, protect from moisture & sunlight. |                   |                   |