



326 Exchange Drive  
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## Technical Data Sheet

| Product and Batch Information |                          |                  |                           |
|-------------------------------|--------------------------|------------------|---------------------------|
| Product Name:                 | SPI-Green Tea Extract 50 | Latin Name:      | Cameilia sinensis O. Ktze |
| Part Used:                    | Leaves                   | Extract Solvent: | Water                     |
| Excipient Used:               | None                     | Shelf Life:      | 2 years                   |

| Item                           | Specification  | Test Method       |
|--------------------------------|--|-------------------|
| <b>Physical</b>                |  |                   |
| Appearance                     | Brown Powder   | Visual            |
| Odor                           | Characteristic   | Sensory           |
| Taste                          | Characteristic   | Sensory           |
| Loss on Drying                 | ≤5.0%  | 2g/105 ±5 °C/3h   |
| Insoluble ash                  | ≤10.0%   | 2g/650 ± 50 °C/5h |
| Particle Size                  | 98% pass 80 mesh   | Sieve             |
| <b>Chemical Control</b>        |  |                   |
| Heavy Metals                   | ≤10ppm   | Atomic Absorption |
| Arsenic(As)                    | ≤1ppm  | Atomic Absorption |
| Lead(Pb)                       | ≤3ppm  | Atomic Absorption |
| Mercury(Hg)                    | ≤0.1ppm  | Atomic Absorption |
| Cadmium(Cd)                    | ≤1ppm  | Atomic Absorption |
| Residual Solvents              | ≤5000ppm   | GC                |
| Aflatoxins                     | ≤5.0ppb  | CP2010            |
| <b>Assay</b>                   |  |                   |
| Total Tea Polyphenols          | ≥50.0%   | UV                |
| EGCG                           | ≥10.0%   | HPLC              |
| Catechin                       | >30%   | HPLC              |
| Caffine                        | ≤10.0%   | HPLC              |
| <b>Microbiological Control</b> |  |                   |
| Total Plate Count              | ≤10000cfu/g  | CP2010            |
| Yeast & Mold                   | ≤1000cfu/g   | CP2010            |
| Coliform                       | ≤30mpm/100g  | CP2010            |
| Salmonella                     | Negative   | CP2010            |
| <b>Packing and Storage</b>     |  |                   |
| Packing                        | Pack in Paper-drums & two food grade bags inside 25 Kg/drum. |                   |
| Storage                        | Store in closed container away from moisture and sunlight.   |                   |
| Shelf Life                     | 2 years if sealed and stored properly                        |                   |