



## PRODUCT SPECIFICATION

|                    |                            |                    |               |
|--------------------|----------------------------|--------------------|---------------|
| Product Name       | Yerba Mate Extract         | Specification NO   | NPC/SP/IP/120 |
| Botanical Name     | <i>Ilex paraguariensis</i> | Shelf Life         | 3 Years       |
| Plant Part Used    | Leaves                     | Type of Extraction | Water         |
| Herb Extract Ratio | 4-8:1                      | Origin             | India         |

| PARAMETERS                                   | SPECIFICATION                            |
|----------------------------------------------|------------------------------------------|
| <b>PHYSICAL CHARACTERISTICS</b>              |                                          |
| Description                                  | Yellowish brown to brown colour granular |
| Odour                                        | Characteristic                           |
| Loss on Drying (at 105°C)                    | NMT 6%                                   |
| Bulk Density                                 | NLT 0.75 Gm/ml                           |
| pH 1%w/v in water                            | 3.0-6.0                                  |
| Water Soluble Extractive                     | NLT 80%                                  |
| Sieve Test                                   | NLT 90% passes Through 20#               |
| Caffeine content                             | 8 - 10% w/w                              |
| <b>Heavy Metals</b>                          |                                          |
| Arsenic                                      | NMT 3 PPM                                |
| Lead                                         | NMT 1 PPM                                |
| Mercury                                      | NMT 0.1 PPM                              |
| Cadmium                                      | NMT 1 PPM                                |
| <b>MICROBIOLOGICAL AND PATHOGEN ANALYSIS</b> |                                          |
| Total Plate Count                            | NMT 10,000 cfu/gm                        |
| Yeast & Molds                                | NMT 100 cfu/gm                           |
| Escherichia coli                             | Absent                                   |
| Salmonella                                   | Absent                                   |
| Pseudomonas Aeruginosa                       | Absent                                   |
| Staphylococcus aureus                        | Absent                                   |

| PREPARED BY                                                                         | REVIEWED BY                                                                         | APPROVED BY                                                                           |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Q.C Executive                                                                       | Q.C Executive                                                                       | Q.A Manager                                                                           |
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