

## SPECIFICATION SHEET

|                |                        |
|----------------|------------------------|
| Product Name   | Cocoa Bean Extract 30% |
| Botanical Name | <i>Theobroma cacao</i> |

| PARAMETERS                                   | SPECIFICATION                                     |
|----------------------------------------------|---------------------------------------------------|
| <b>PHYSICAL CHARACTERISTICS</b>              |                                                   |
| Description                                  | Light Brown to greenish brown colored powder      |
| Identification by TLC                        | TLC Fingerprint of sample match with the Standard |
| Loss on Drying (w/w)                         | NMT 5%                                            |
| Bulk Density                                 | 0.30g/ml -0.80 g/ml                               |
| Sieve Test                                   | 100% passes Through 40#                           |
| <b>Assay</b>                                 |                                                   |
| Flavonoids                                   | NLT 30%                                           |
| Theobromine                                  | NLT 10%                                           |
| Catechin                                     | NLT 2-3%                                          |
| <b>Heavy Metals</b>                          |                                                   |
| Arsenic                                      | NMT 10 PPM                                        |
| Lead                                         | NMT 1 PPM                                         |
| Mercury                                      | NMT 3 PPM                                         |
| Cadmium                                      | NMT 0.1 PPM                                       |
| <b>MICROBIOLOGICAL AND PATHOGEN ANALYSIS</b> |                                                   |
| Standard Plate Count                         | NMT 1000 cfu/gm                                   |
| Yeast & Molds                                | NMT 100 cfu/gm                                    |
| Escherichia coli                             | Absent                                            |
| Salmonella                                   | Absent                                            |
| Pseudomonas Aeruginosa                       | Absent                                            |
| Staphylococcus aureus                        | Absent                                            |

LEGEND: D.P –Dry Powder, NMT- Not More Then, NLT- Not Less then, cfu/gm- Colony Forming Unit/gram.

| ANALYZED BY                                                                         | REVIEWED BY                                                                         | APPROVED BY                                                                           |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Q.C Executive                                                                       | Q.C Manager                                                                         | Q.A manager                                                                           |
|  |  |  |

## NECTAR PHYTOCHEMS PVT. LTD.

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