

PRODUCT SPECIFICATION

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|---------------------|--------------------------|---------------------------|------------------------|
| INCI/Botanical Name | BOSWELLIA SERRATA | Date of Expiry | 03 Years |
| Product Name | Boswellia Extract | Extraction Solvent & Type | Methanol + Water & Hot |
| Report No. | BS/PG/23-037/23 | Extraction Ratio | 4:1 |
| Parts of Plant | Gum | Origin | India |
| Cas No | 97952-72-2 | HSN Code | 13021919 |

| TEST | SPECIFICATION | METHOD |
|------|---------------|--------|
|------|---------------|--------|

A. Physical Parameters:

| | | |
|---------------------------|-------------------------------------|---------|
| Appearance | Dull white to creamish white powder | Visual |
| Identification | By TLC | TLC |
| pH of 1% solution | Between 10.0 to 10.5 | USP 791 |
| Loss on Drying (At 105°C) | NMT 5.0% w/w | USP 731 |
| Ash Content | NMT 5.0% w/w | USP 281 |
| Acid Insoluble Ash | NMT 2.0% w/w | USP |
| Particle size (40 Mesh) | NLT 100.0% | USP 786 |
| Particle size (60 Mesh) | NLT 95.0% | USP 786 |
| Particle size (80 Mesh) | NLT 80.0% | USP 786 |
| Solubility in Water | NLT 80.0% w/v | USP 561 |
| Tapped Density | Between 0.60 to 0.70 gm/ml | USP 616 |
| Untapped Density | Between 0.40 to 0.50 gm/ml | USP 616 |

B. Active Ingredients:

| | | |
|-----------------------------|---------------|-----|
| Boswellic Acid By Titration | NLT 65.0% w/w | IH |
| Boswellic Acid By HPLC | NLT 20.0% w/w | USP |
| AKBA By HPLC | NLT 4% w/w | USP |

C. Heavy Metals:

| | | |
|--------------|-------------|-----------|
| Lead (PB) | NMT 3.0 ppm | ICPMS-OES |
| Arsenic (AS) | NMT 1.0 ppm | ICPMS-OES |
| Cadmium (CD) | NMT 0.3 ppm | ICPMS-OES |
| Mercury (HG) | NMT 0.1 ppm | ICPMS-OES |

D. Microbiological Test:

| | | |
|--------------------------|------------------|----------|
| Total Plate Count | NMT 1000.0 cfu/g | USP 2021 |
| Total Yeast & Mold Count | NMT 100.0 cfu/g | USP 2021 |
| Escherichia coli | Absent | USP 2022 |
| Salmonella | Absent | USP 2022 |
| Staphylococcus Aureus | Absent | USP 2022 |
| Pseudomonas Aeruginosa | Absent | USP 2022 |

E. Residual Solvent

| | | |
|---------------|----------------|---------|
| Methanol | NMT 3000.0 ppm | USP 647 |
| Ethanol | NMT 50.0 ppm | USP 647 |
| Ethyl Acetate | NMT 5000.0 ppm | USP 647 |
| Hexane | NMT 50.0 ppm | USP 647 |

F. Mycotoxin:

| | | |
|--------------------------|-----|---------|
| Aflatoxins (B1+B2+G1+G2) | --- | USP 561 |
| Pesticides | --- | USP 561 |

G. Other:

Standard Packing: 25 Kg in single HDPE Container.
 The material is free from Allergens/ GMO/ BSE - TSE.
 The material is not tested on animals.
 The material is non-irradiated & not treated with ETO.
 The above material complies with in-house specifications.
 Store in a cool and dry place away from sunlight and heat. The preferred storage is below 30 ° C.
 The Product Is of Herbal Origin. There May Be Minor Color Difference Due To Geographical and Seasonal Variation of the Plant Material.

Note: This Is Computer Generated Specification & Does Not Require A Physical Signature.

