

## PRODUCT SPECIFICATION

<b>INCI/Botanical Name</b>	<b>RUBIA CORDIFOLIA</b>	<b>Date of Expiry</b>	03 Years
<b>Product Name</b>	Manjistha Extract	<b>Extraction Type</b>	Solvent Extraction
<b>Report No</b>	RC/OHZ/22-01/23	<b>Extraction Ratio</b>	---
<b>Parts of Plant</b>	Root	<b>Origin</b>	India
<b>Cas No</b>	91845-24-8.	<b>HSN Code</b>	13021919

TEST	SPECIFICATION	METHOD
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### A. Physical Parameters:

<b>Appearance</b>	Fine powder	Visual
<b>Color</b>	Dark to light reddish brown color	Visual
<b>Odour</b>	Characteristic	Organoleptic
<b>Taste</b>	Characteristic	Organoleptic
<b>Identification</b>	by TLC	TLC
<b>Water Soluble Extractive</b>	NLT 70% w/v	USP 561
<b>Alcohol Soluble Extractive (50%)</b>	NLT 60% w/v	USP 561
<b>pH (1% Aqu. Sol<sup>n</sup>.)</b>	Between 4.0 to 7.0	USP 791
<b>Loss on Drying (At 105<sup>o</sup>C)</b>	NMT 8.0% w/w	USP 731
<b>Tapped Bulk Density</b>	NLT 0.350 gm/ml	USP 616
<b>Untapped Bulk Density</b>	NLT 0.250 gm/ml	USP 616
<b>Particle Size (40 Mesh)</b>	NLT 95.0% w/w	USP 786

### B. Active Ingredients:

<b>Tannin</b>	NLT 20% w/w	Gravimetric
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### C. Heavy Metals:

<b>Lead (PB)</b>	NMT 2.0 ppm	AOAC
<b>Arsenic (AS)</b>	NMT 2.0 ppm	AOAC
<b>Cadmium (CD)</b>	NMT 0.3 ppm	AOAC
<b>Mercury (HG)</b>	NMT 0.1 ppm	AOAC

### D. Microbiological Test:

<b>Total Plate Count</b>	NMT 1000 cfu/g	FDA BAM
<b>Total Yeast &amp; Mold Count</b>	NMT 100 cfu/g	FDA BAM
<b>Escherichia coli</b>	Absent	FDA BAM
<b>Salmonella</b>	Absent	FDA BAM
<b>Staphylococcus Aureus</b>	Absent	FDA BAM
<b>Pseudomonas Aeruginosa</b>	Absent	FDA BAM

### E. Mycotoxin:

<b>Aflatoxin (B1+B2+G1+G2)</b>	---	USP 561
<b>Residual Pesticides</b>	---	USP 561

### F. 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.**

