

## PRODUCT SPECIFICATION

<b>INCI/Botanical Name</b>	<b>MALALEUCA ALTERNIFOLIA</b>	<b>Product Name</b>	Tea Tree Extract
<b>Parts of Plant</b>	Leaf	<b>Report No</b>	MA/HP/23
<b>Extraction Ratio</b>	<b>Liquid Extract</b>	<b>Origin</b>	India
<b>Extraction Base</b>	<b>Water/Solvent</b>	<b>Date of Expiry</b>	02 Years
<b>Cas No</b>	85085-48-9	<b>HSN Code</b>	13021919
<b>TEST</b>	<b>SPECIFICATION</b>		<b>METHOD</b>

### A. Physical Parameters:

<u>Solvent Used</u>	PROPYLENE GLYCOL	GLYCERIN	DISTILLED	
<b>Appearance</b>	Liquid	---	---	Visual
<b>Color</b>	Brown	---	---	Visual
<b>Odour</b>	Characteristic	---	---	Organoleptic
<b>Miscibility</b>				
<b>Water</b>	Miscible	---	---	USP 516
<b>Propylene</b>	Miscible	---	---	USP 516
<b>Alcohol (50% Alcohol)</b>	Miscible	---	---	USP 516
<b>pH (1% Aqu. Sol<sup>n</sup>.)</b>	Between 4.0 to 7.0	---	---	USP 791
<b>Specific Gravity (At 20<sup>0</sup>C)</b>	Between 1.16 to 1.23 gm/ml	---	---	Pycnometer

### B. Active Ingredients:

<b>Polyphenol</b>	<b>Presence</b>	---	---	<b>USP</b>
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### C. Heavy Metals:

<b>Lead (PB)</b>	NMT 1.0 ppm	---	---	USP 233
<b>Mercury (HG)</b>	NMT 1.0 ppm	---	---	USP 233
<b>Arsenic (AS)</b>	NMT 1.0 ppm	---	---	USP 233
<b>Cadmium (CD)</b>	NMT 1.0 ppm	---	---	USP 233

### D. Microbiological Test:

<b>Total Aerobic Count</b>	NMT 1000 cfu/gm	---	---	USP 2021
<b>Total Yeast &amp; Mold Count</b>	NMT 100 cfu/gm	---	---	USP 2021
<b>Escherichia coli</b>	Absent	---	---	USP 2022
<b>Salmonella</b>	Absent	---	---	USP 2022
<b>S. aureus</b>	Absent	---	---	USP 2022
<b>Staphylococcus</b>	Absent	---	---	USP 2022

### E. Other:

Standard Packing: 25 Kg in single HDPE Container.  
 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<sup>0</sup>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.**



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Parts of Plant	Leaf	Report No	MA/HP/23
Extraction Ratio	Oil Extract	Origin	India
Extraction Base	Oil/Solvent	Date of Expiry	02 Years
Cas No	85085-48-9	HSN Code	13021919
<b>TEST</b>	<b>SPECIFICATION</b>		<b>METHOD</b>

### A. Physical Parameters:

Solvent Used Oil	LLP	SESAME	SUNFLOWER	COCONUT	
Appearance	Clear oil	---	---	---	Visual
Color	Light greenish	---	---	---	Visual
Odour	Characteristic	---	---	---	Organoleptic
Specific Gravity (At 20 <sup>0</sup> C)	Between 0.810 to 0.930 gm/ml	---	---	---	Pycnometer
Miscibility					
Mineral	Miscible				USP 561
Vegetable Oil	Miscible				USP 561

### B. Active Ingredients:

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### C. Heavy Metals:

Lead (PB)	NMT 1.0 ppm	---	---	---	USP 233
Mercury (HG)	NMT 1.0 ppm	---	---	---	USP 233
Arsenic (AS)	NMT 1.0 ppm	---	---	---	USP 233
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### D. Microbiological Test:

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Total Yeast & Mold Count	NMT 100 cfu/gm	---	---	---	USP 2021
Escherichia coli	Absent	---	---	---	USP 2022
Salmonella	Absent	---	---	---	USP 2022
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### E. Other:

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