



Technical Data Sheet

UNISCALP™-COMPLEX

TDS: GFCP/FGUCC/1043

Product Name: UNISCALP™-COMPLEX

Botanical/INCI Name: Aqua (and) Butylene Glycol (and) Azadirachta Indica (neem) leaf Extract (and) Trigonella foenum (methi) seed extract (and) Aloe barbadensis (Aloe vera) leaf extract (and) Tea tree leaf extract (and) Salvia rosmarinus (rosemary) extract (and) Citrus limon (lemon) Peel extract (and) Matricaria chamomilla (chamomile) flower extract (and) Cuminum cyminum (cumin) seed extract (and) Camellia sinensis (Green Tea) extract (and) Allium cepa (red onion) extract (and) Allium sativum (garlic) extract (and) Zingiber (ginger) extract (and) Ocimum sanctum (tulsi) extract (and) Mentha piperita (peppermint) leaf extract (and) Trachyspermum ammi (ajwain) seed extract.

Introduction:

Introducing UNISCALP™-COMPLEX, the revolutionary haircare active agent that will transform your hair game forever. Years of scientific research and innovation have led us to this groundbreaking formula.

Azadirachta Indica: Azadirachta Indica (Neem) contains various bioactive compounds, including nimbin, nimbidin, azadirachtin, gedunin, and quercetin. These compounds contribute to its anti-inflammatory, antimicrobial, and antifungal properties, which are beneficial for maintaining a healthy scalp and addressing issues like dandruff and scalp irritation.

Trigonella foenum: Trigonella foenum-graecum (Fenugreek) contains proteins such as albumin and globulin, which are essential for strengthening hair follicles and promoting hair growth. These proteins contribute to the overall health and resilience of hair strands, reducing the risk of hair loss and breakage and soothe irritation.

Aloe barbadensis: Aloe barbadensis, commonly known as Aloe vera, is beneficial for the scalp due to its high content of enzymes that exfoliate dead skin cells, promoting a clean and unclogged hair follicle environment. Additionally, its natural moisturizing properties hydrate the scalp, soothing irritation and supporting optimal conditions for hair growth.

Salvia Rosmarinus: Salvia Rosmarinus, commonly known as Rosemary, benefits the scalp by containing rosmarinic acid, which has anti-inflammatory and antimicrobial properties that help maintain a clean and balanced scalp. Its natural astringency helps regulate sebum production, reducing excess oil and preventing clogged hair follicles, thus promoting a healthier scalp environment.

Citrus limon peel: Citrus limon (Lemon) peel extract benefits the scalp due to its citric acid content, which exfoliates the scalp by removing dead skin cells and excess oil. The extract's antimicrobial properties help combat dandruff-causing fungi, promoting a cleaner, refreshed scalp and supporting overall scalp health.

Tea tree: Tea tree oil's scalp benefits stem from its terpenes, like terpinen-4-ol, which exhibit potent antimicrobial properties against fungi and bacteria. These properties help alleviate dandruff, scalp irritation, and inflammation, fostering a healthier scalp environment and supporting optimal hair growth.

Matricaria chamomilla: Matricaria chamomilla, or Chamomile, benefits the scalp through its bisabolol content, which has anti-inflammatory and soothing properties. It helps calm scalp irritation, reduce redness, and promote a balanced environment, making it effective in managing conditions like scalp sensitivity and itchiness.

Cuminum Cyminum: Cuminum Cyminum, or Cumin, offers scalp benefits due to its vitamin and mineral content that nourishes hair follicles, supporting healthy hair growth. Its antioxidant properties also help maintain a clean scalp by combating free radicals, contributing to improved scalp health and vitality.

Camellia sinensis: Camellia sinensis through its polyphenols and catechins that promote blood circulation and follicle nourishment, aiding hair growth. Its natural astringent properties help control excess oil, fostering a cleaner scalp environment and contributing to overall scalp health.

Allium cepa: Allium cepa, or Onion, offers scalp benefits due to its high sulfur content that aids in collagen production, promoting hair strength and growth. Its quercetin antioxidants help improve blood circulation to hair follicles, while its antibacterial properties address scalp infections, making it effective for enhancing scalp health and hair vitality.

Allium sativum: Allium sativum, or Garlic, boasts scalp-enhancing virtues rooted in its rich sulfur compound reservoir. These compounds wield follicle-stimulating prowess, nurturing robust hair growth and density.

Ocimum sanctum: Ocimum sanctum, commonly known as Holy Basil or Tulsi, is believed to offer scalp benefits due to its anti-inflammatory and antimicrobial properties. Its active compounds can provide relief to itchy or dry scalp conditions, supporting overall hair health.

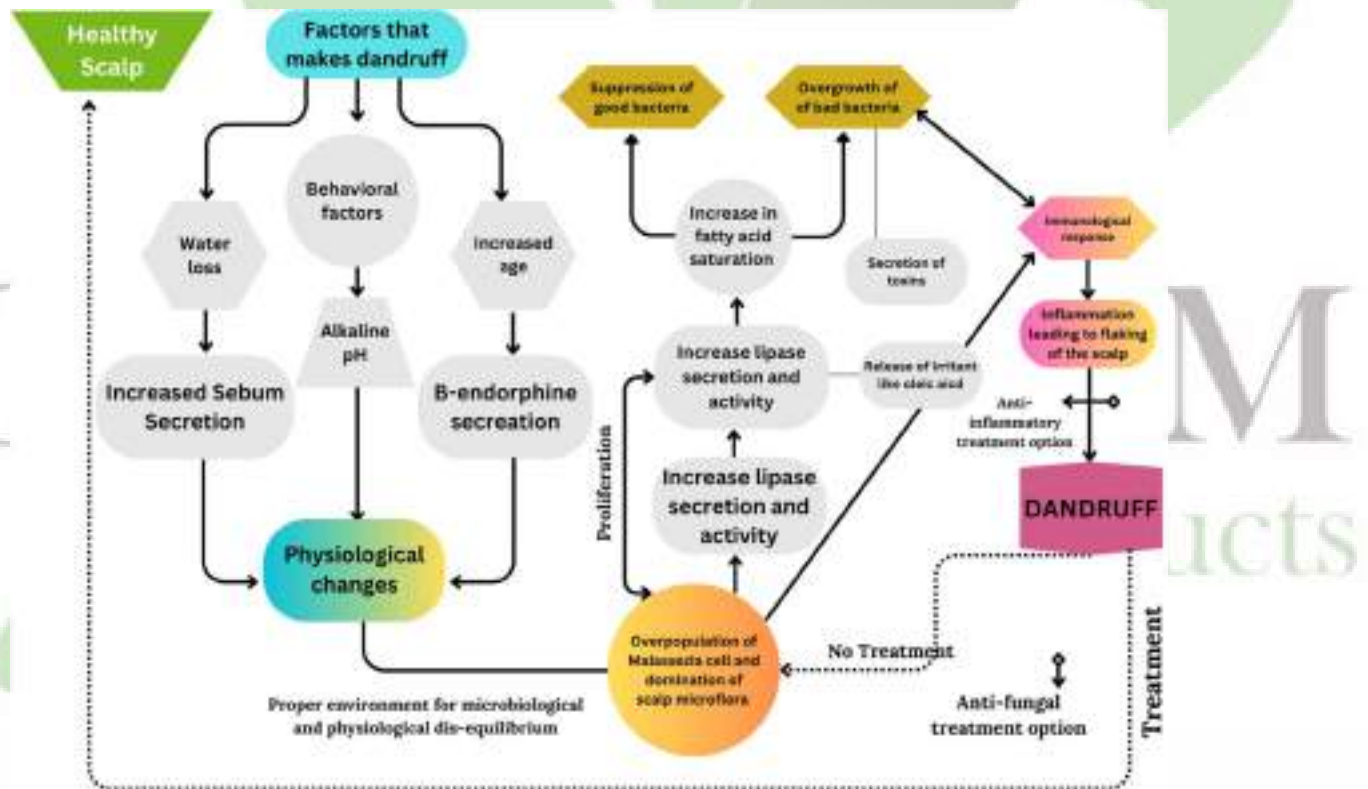
Zingiber officinale: Zingiber officinale, or Ginger, offers scalp benefits through its potent anti-inflammatory and circulatory-enhancing properties. Its active compounds can stimulate blood flow to the scalp, promoting nutrient delivery to hair follicles and potentially aiding in hair growth.

Trachyspermum ammi: Trachyspermum ammi (Ajwain) contains thymol and essential oils with antifungal and antimicrobial properties. These components disrupt microorganisms, addressing scalp infections and inflammation.

Product Benefits: The herbal actives show antioxidants and astringent that help prevent hair fall, soothe the scalp, hydrate hair.

No matter your hair type or concern, UNISCALP™-COMPLEX has got you covered. Our unique formula is specially designed to nourish your scalp from within, promoting stronger roots and stimulating hair growth by keeping clean scalp.

- **Clear/flakes-free scalp, Anti-inflammatory, Anti-dandruff, Healthy hair, helps to control hairfall, No itchinness/dryness to scalp.**



Cosmetic applications: Haircare- Leave-on and rinse-off cosmetic products (hair cream, gel, serum, shampoo, hair mask, conditioner).

Recommended Level of use: 1 - 2% (Personal Care).

Tentative Specification:

Parameter	Specification
Description	Clear Brown to dark brown Liquid
Odor	Characteristic taste and odor
pH (As such)	4.0 – 7.0
Refractive index at 20°C	1.341 – 1.380
Total Soluble Solids	NLT 0.5
Solubility	Soluble in PG, Glycerin, and Water, Insoluble in Cosmetic Esters
Total Aerobic bacterial count	NMT 1000 cfu/g
Total Yeast & mold count	NMT 100 cfu/g

Shelf Life: 24 months from manufacture when stored in suggested conditions.

Storage:

The product is highly susceptible to microbial growth. It must be stored between 20°C to 25°C in a closed container and protected from humidity and direct sunlight to maintain shelf life.

Packaging:

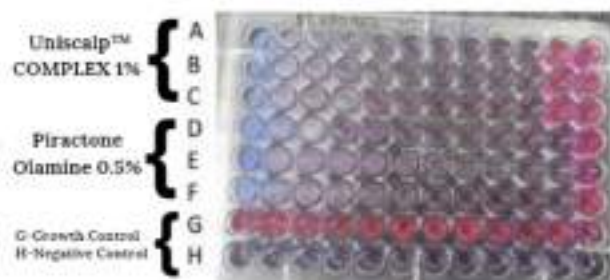
Available in 1kg, 5kg, 10kg, and 20kg.



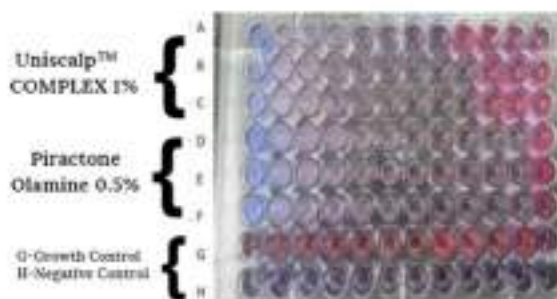
In-vitro Study Data and Results

The Study No	RR230962/MCR/MIC/06-23
Study title	Evaluation of the Antidandruff activity of test sample against <i>Malassezia furfur</i> and <i>Candida albicans</i> by Minimum Inhibitory Concentration (MIC) method
Test Sample	UNISCALP™-COMPLEX (1% shampoo)
Standard sample	Piroctone olamine-0.5%
Sponsors	M/s GFCP Private Limited. 111, Ecotech Sector -6 Greater Noida, Gautam Buddha Nagar, Uttar Pradesh - 201306.
Test facility	Radiant Research Services Pvt. Ltd., No: 99/A, 8th Main Road, III Phase, Peenya Industrial area, Bengaluru, Karnataka, India -560058.
Tester Strain	<i>Malassezia furfur</i> , <i>Candida albicans</i>
Strain No.	ATCC 14521, ATCC 10231

Anti-dandruff activity of Uniscalp™-Complex-1% (shampoo) against *M.furfur*



Anti-dandruff activity of Uniscalp™-Complex-1% (shampoo) against *C.albicans*



RESULTS:

The test sample Uniscalp™ -Complex (1% shampoo) showed MIC value of 0.001953% against *M. furfur* and 0.003906% against *C. albicans*. Standard (0.5% Piroctone olamine) showed MIC value 0.000488% against *M. furfur* and 0.000488% against *C. albicans* respectively.