

ABS Imperata Cylindrica Root Extract PF

NPA Compliant + Excellent Moisturizer



Tomorrow's Vision... *Today!*[®]



ABS Imperata Cylindrica Root Extract PF

Technical Information



- **Code:** 10306PF
- **INCI Name:** Water & Imperata Cylindrica Root Extract
- **INCI Status:** Approved
- **Suggested Use Levels:** 1.0 - 10.0%
- **Suggested Applications:** Moisturization, Conditioning

Imperata Cylindrica



- Also known as Cogon Grass
- Native regions that are partial to brief flooding
- Capable of surviving in a wide range of climates



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- An excellent long-term moisturizer that shows increased hydration effects even after 24 hours
- Its benefits are attributed to:
 - The plant's ability to survive in flooded environment
 - The all-natural, plant extracts that are rich in potassium and 3-dimethylsulfoniopropionate (DMSP), which help increase intercellular osmosis, as water is believed to be drawn into the cells and may remain there even after showering

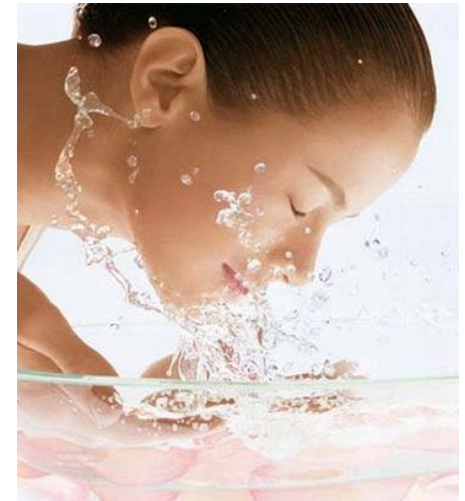
What is DMSP?

- DMSP is an osmoprotective compound that can be found in many plants with known moisturizing properties
- Research has shown that DMSP is derived from methionine, one of the essential amino acids in human nutrition

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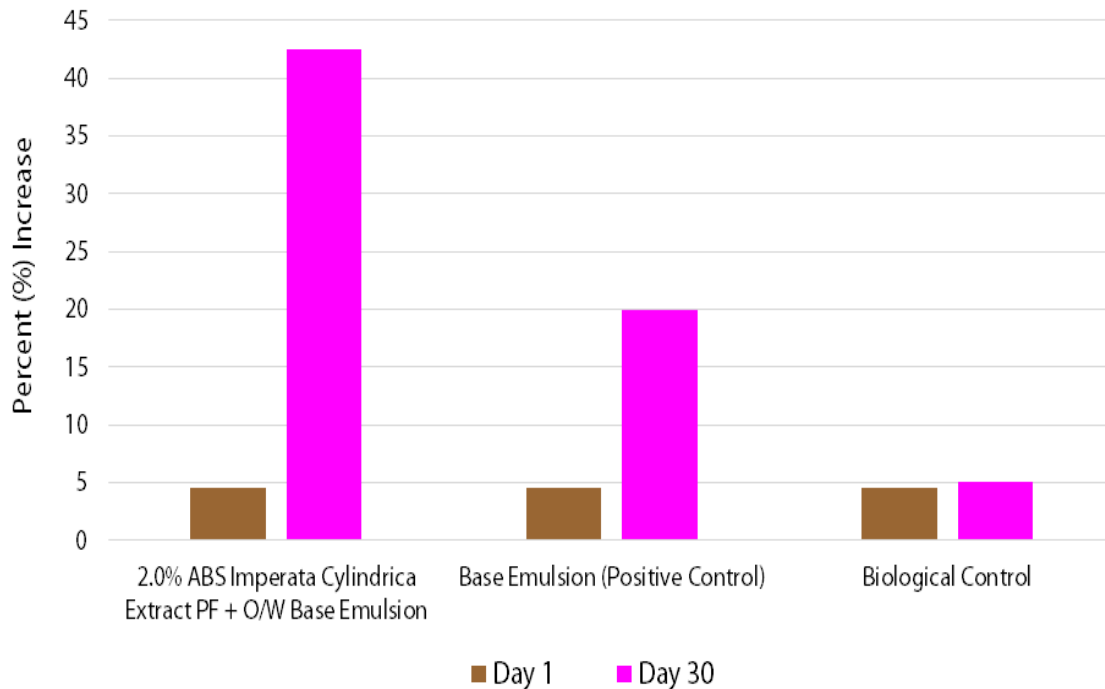
Benefits

- ABS Imperata Cylindrica is composed of 65-75% water
- Provides potent hydration to the stratum corneum
 - The skin looks younger and wrinkles fade
- May help ensure increased cellular metabolism and enhanced collagen synthesis
 - Provides long term skin enhancement properties



Efficacy Data

Moisturization Study



Protocol

- 12 subjects (M/F)
- Test materials: 5% **ABS Imperata Cylindrica Root Extract PF** + Biological Control
- Equipment: Nova Impedance Meter
- Application site: Left and right side of the face
- Length: 30 days
- **ABS Imperata Cylindrica Extract PF** is capable of increasing the level of skin moisturization by almost 45%, which is 88% more effective than no treatment at all

Figure 1. Moisture levels on the skin results following a 30 day application of **ABS Imperata Cylindrica Extract PF**, Positive Control and an Untreated Control.

ABS Imperata Cylindrica Root Extract PF Efficacy Assays

Additional Data

- **Dermal and Ocular Irritation Tests: Non-Irritating**



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