

# ABS Imperata Cylindrica Extract PF Efficacy Data

**Code:** 10306PF  
**INCI Name:** Imperata Cylindrica Root Extract & Water  
**CAS #:** 999999-99-4 & 7732-18-5  
**EINECS #:** 310-127-6 & 231-791-2

Type of Study	Results
<b><i>In-vivo</i> Skin Moisturization Assay</b>	The results indicated that <b>ABS Imperata Cylindrica Extract PF</b> is capable of increasing the level of skin moisturization by almost 45%, which is 88% more effective than the untreated control. Furthermore, the test product also enhanced moisture levels by 53% more effectively than the O/W base emulsion alone. The assay illustrates that it is possible to make moisturization claims, both as a means to enhance a formulation and for consumers to experience proven, long-term moisturization, when incorporating <b>ABS Imperata Cylindrica Extract PF</b> in a cosmetic or personal care formulation.



# Moisturization Assay

## ABS Imperata Cylindrica Extract PF

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### Abstract:

Over the course of a thirty-day period, 12 subjects were evaluated and analyzed to determine the long-term moisturizing effects of **ABS Imperata Cylindrica Extract PF** on the skin.

By increasing hydration within the skin’s cells, **ABS Imperata Cylindrica Extract PF** may in turn help to ensure increased cellular metabolism and enhanced collagen synthesis, providing long term skin enhancement properties.

For a modern and elegant solution to dry, wrinkly skin, **ABS Imperata Cylindrica Extract PF** may offer a completely satisfying moisturizer without heavy or unnatural ingredients “weighing down” the skin, leaving one looking younger and feeling healthier and more vibrant.

### Materials and Methods:

The moisturization benefits of 2.0% **ABS Imperata Cylindrica Extract PF** in an oil/water emulsion were compared to an oil/water emulsion base control.

Test Product: Oil/ Water (O/W) Base Emulsion + 2.0% **ABS Imperata Cylindrica Extract PF**

A Nova Impedance Meter was used to determine skin moisturization levels on 12 subjects (M/F) between the ages of 23 and 45. This measurement was considered to be the volunteers’ baseline. The subjects were then given the test product to apply to the upper cheek on the right side of their face while the upper cheek of the left side was treated with the oil/water emulsion control base. The lower cheek area of both sides of the face were tested as a biological control. Test subjects were asked to apply the test formulation once daily for a period of 30 days.

Following the completion of the study on day 30, subjects skin moisturization was again measured using the Nova Impedance Meter. Moisturization levels were compared to the baseline measurements.

### Results:

	Mean Moisturization Value on Day 1	Mean Moisturization Value on Day 30
<b>2.0% ABS Imperata Cylindrica Extract PF + O/W Base Emulsion</b>	4.60	42.44
<b>Base Emulsion (Positive Control)</b>	4.61	19.87
<b>Biological Control</b>	4.55	5.01

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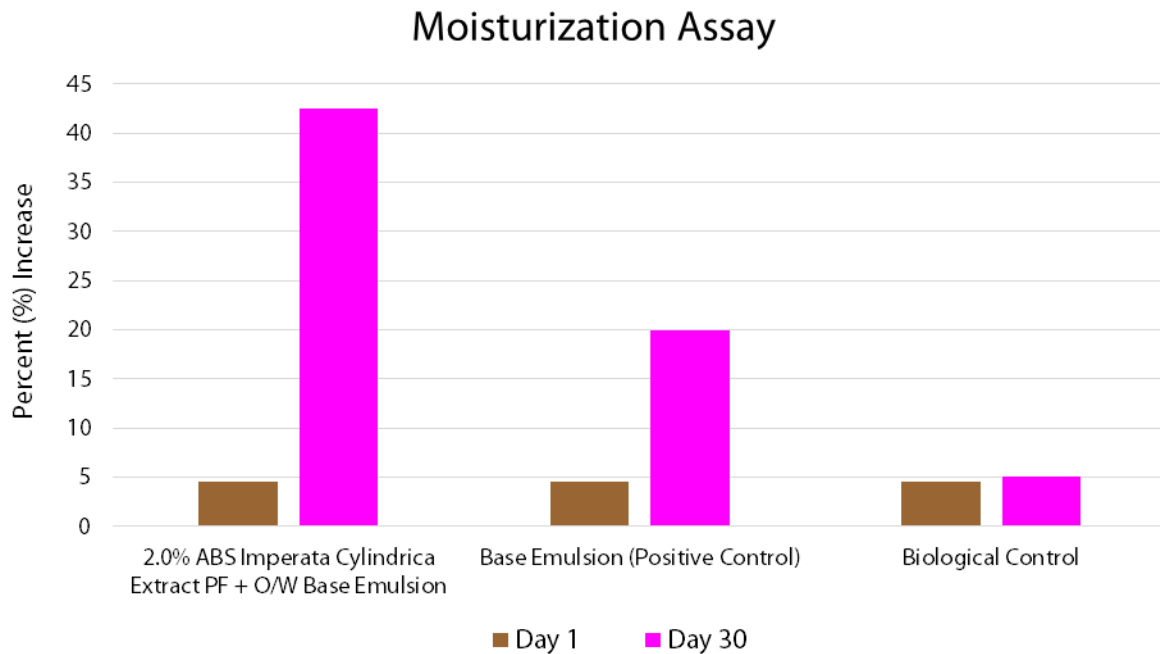


Figure 1: Moisture levels on the skin results following a 30 day application of ABS Imperata Cylindrica Extract PF, Positive Control and an Untreated Control.

### Discussion:

The results indicate that **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. Furthermore, the test product also enhanced moisture levels 53% more effectively than the O/W base emulsion alone. The assay illustrates that it is possible to make moisturization claims, both as a means to enhance a formulation and for consumers to experience proven, long-term moisturization, when incorporating **ABS Imperata Cylindrica Extract PF** in a cosmetic or personal care formulation.