

PIONTECH Co., Ltd.

**Summary of Clinical Trials Report:
Evaluation of the Effects on Temporary
Skin Moisturizing Improvement of
“TAKABATH bubble body wash pad”**

September 24, 2018

Global Cosmeceutical Center



Abstract

Title	Evaluation of the Effects on Temporary Skin Moisturizing Improvement of “TAKABATH bubble body wash pad”
Purpose	To raise the level of product quality competitiveness through evaluation of the efficacy for “TAKABATH bubble body wash pad” on temporary skin moisturizing improvement
Requested by	PIONTECH Co., Ltd.
Study Performed by	Global Cosmeceutical Center
Test samples	TAKABATH bubble body wash pad
Tested subjects	22 Volunteers
Test Sites	Forearm
Product Application	<p><Area of Application of Test Product></p> <p>① Open the pouch and insert fingers into the pad.</p> <p>② Apply sufficient water to the test part and keep on rubbing the test part for 3~5 minutes.</p> <p>③ Rinse the test part with tepid water.</p> <p><Unused Area ></p> <p>Clean the test part with tepid water.</p>
Selection Criteria of Test Subjects	<p>Test subjects who fell into the following categories were included in the test</p> <ol style="list-style-type: none"> 1. Adult Female, aged 20 to 50 2. The subjects who voluntarily filled out and signed the consent form after being sufficiently informed as to the procedures involved in the study. 3. The subjects who appeared to be in good health, showing no outward signs of acute or chronic physical diseases (such as skin diseases). 4. The subjects who schedules allowed them to be followed up and monitored for the entire duration of the trial.
Exclusion Criteria of Test Subjects	<p>The subjects with any one of following conditions were excluded from the test.</p> <ol style="list-style-type: none"> 1. Pregnant or lactating female volunteers; and females who were potentially pregnant. 2. Subjects who had used steroid-containing skin care products for more than 1 month for the treatment of skin diseases. 3. Subjects who had been rejected for similar testing procedures within the previous 3 months. 4. Subjects who had sensitive or hypersensitive skin. 5. Subjects who have abnormal skin findings such as scars, moles, pimples, erythema, and telangiectasia symptoms at the skin test sites. 6. Subjects applying cosmetics similar to test materials or drugs on the test part within 3 months prior to the initiation of the present study. 7. Significant nutritional disorder.

	<p>8. Skin care or treatment within 3 months prior to the initiation of the present study.</p> <p>9. Subjects who are considered to be inappropriate at the discretion of the researcher.</p>
Test Procedure	<p>1. Evaluation</p> <p>1) Instrumental Evaluation Skin moisturizing is measured by using a Corneometer(Skin-O-Mat, Cosmomed Medical Beauty GmbH, Germany)</p> <p>2) Evaluation of Skin Irritation Researchers evaluated the degree of skin irritation at the site of application of the test product by integrating the results of visual assessment with the results of survey conducted with subjects.</p>
Validity of the evaluation Results	<p>The product “TAKABATH bubble body wash pad” by requested PIONTECH Co., Ltd. was clinical trial to evaluate the effects of temporary skin moisturizing improvement.</p> <p>Moisture content of test group was found to be significantly increased at 5 minutes after using the test product ($p<0.01$). For the case of using the control group for the test part, moisture content was also significantly different at 5 minutes after using the control product(water)($p<0.01$). However, there was statistically significant difference between the test group and control group at 5 minutes after using the control(water) or test product ($p<0.01$).</p> <p>The group that used the test product showed significant improvement in temporary improvement skin moisturizing by 30.60% comparing with that before using the test product.</p> <p>During the test period, no skin damage associated with the application of test product was found.</p> <p>Therefore, the test product “TAKABATH bubble body wash pad” was concluded as beneficial for the improvement of temporary skin moisturizing.</p>
Skin Stimulation Test	No test subject revealed any abnormal responses
Test Schedule	<p>Start Date: September 20, 2018 / Completion Date: September 20, 2018</p> <p>Reported Date: September 24, 2018</p>
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Report Control No.	GCC-181224-E01-3174
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