

ICS 71.100.70

QB

**LIGHT INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

QB/T 4256-2011

**Guideline for evaluation of cosmetics moisturization efficacy
(English Translation)**

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Foreword

This standard was proposed by China National Light Industry Federation.

This standard shall be under the jurisdiction of the National Standardization Technical Committee of Flavor, Flavor and Cosmetics (SAC/TC 257).

The main drafting organizations of this standard. Beijing Technology and Business University, China Academy of Inspection and Quarantine, Chinese People's Liberation Army Air Force General Hospital, Shanghai Jahwa United Co., Ltd., L'Oreal (China) Co., Ltd., Unilever (China) Co., Ltd., Amway (China) Daily Necessities Co., Ltd., Shanghai Daily Chemical Industry Research.

1 Scope

This standard specifies a method for evaluating the moisturization efficacy of cosmetics - Capacitance method to determine the moisture content of the stratum corneum of the skin.

This standard is applicable to the determination of moisturization efficacy of skin care

creams, lotions, cosmetic products. Other types of cosmetics, which are claimed having moisturization efficacy, can refer to this standard for evaluation.

2 Normative references

The following documents are essential to the application of this document. For the dated documents, only the versions with the dates indicated are applicable to this document; for the undated documents, only the latest version (including all the amendments) is applicable to this standard.

Hygienic specifications for cosmetics

3.1 Cosmetics to be tested shall be products that have passed the physical, chemical,

hygienic tests. Before the human test, it shall complete the necessary toxicological tests, in accordance with the "Hygienic specifications for cosmetics", AND issue a written certificate. The sample, which fails in the toxicological tests, will not be subject to the human test.

3.3 The guidelines for the evaluation of moisturization efficacy of cosmetics are applicable to the measurement of products before and after use.

4 Principles

Using the capacitance method to measure the moisture content of the human skin's stratum corneum, is based on the principle that, the dielectric constants of water and other substances are significantly different.

5.1 Environmental conditions for test

Test environment's temperature. 20 °C ~ 22 °C; humidity. 40% ~ 60%; perform real-time dynamic monitoring.

5.2 Number of volunteers

Effective volunteers 24 ~ 30 people.

5.3.6 Those who have not taken hormone drugs and immunosuppressants, in the past

one month.

5.3.7 Those who have not participated in other clinical tests, at the test site at present or

in the last three months.

8.1 Preparation before the test

It shall not use any products (cosmetics or external medicines), at the test site, 2 ~ 3 days before the test; it shall not be in contact with water, for 1 ~ 3 hours. Before the test, subjects need to clean their hands and forearms uniformly. The cleaning method is to wipe it clean, by dry facial tissue.

8.2 Determination

The product's coating area and blank control area shall be randomly distributed, around the left and right arm's marking area, to ensure that the locations of all products and blank areas are statistically balanced.

9 Result calculation

Descriptive statistics are performed on the measured values of each test area, including quantity, mean, standard deviation, minimum, median, maximum values, etc.

10 Result judgment

Positive result. Before and after the use of the product, if there is a significant difference in the moisture content of the stratum corneum in the test area, it indicates that the test sample has a moisturization efficacy.

11 Test report

The test report shall include.

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