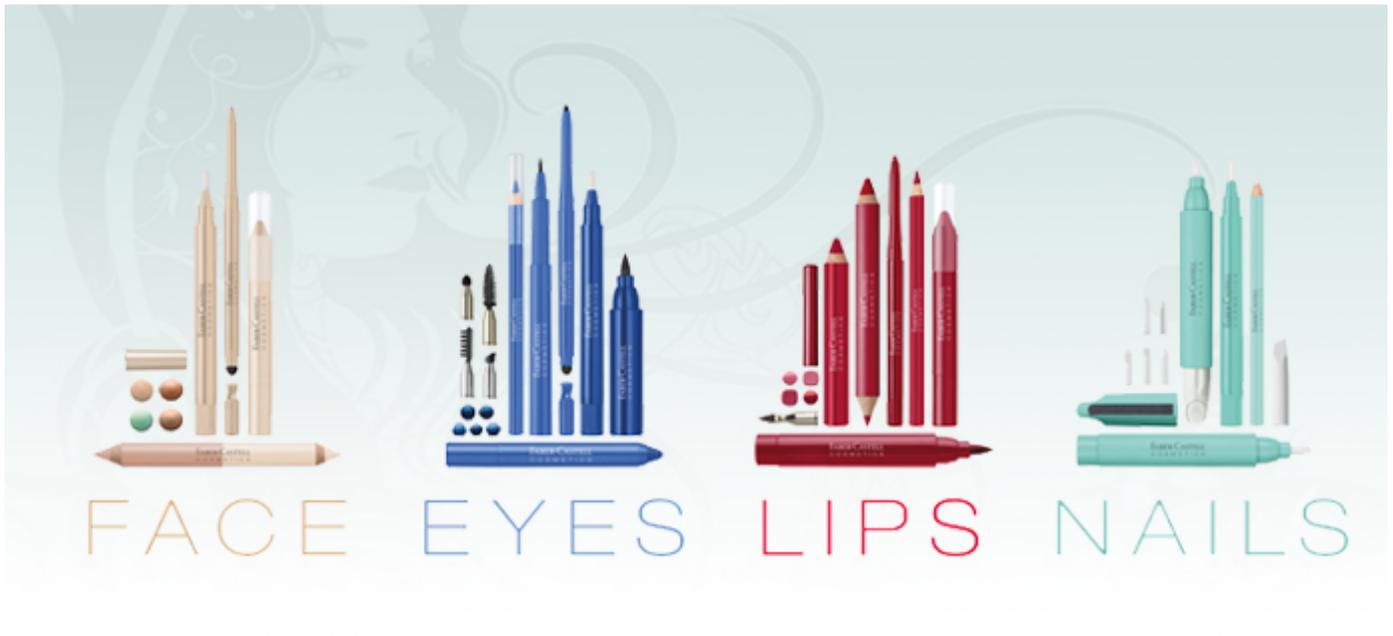


BEAUTY in
beautiful packaging

FABER-CASTELL
since 1761
COSMETICS



Storage tests of decorative cosmetics

As a partner of internationally renowned cosmetics manufacturers, Faber-Castell Cosmetics is one of the leading private label manufacturers of high-quality cosmetic pencils for face, eyes, lips and nails. Elaborate formulas and packaging are developed to transformed cosmetic trends into successful products in the future. For reliable quality assessments of new trends, the company relies on a Memmert ICP cooled incubator for storage tests.

Faber-Castell Cosmetics develops exclusive textures in close cooperation with its customers or adapts standard textures customer-specifically. Thanks to an intelligent modular system of formulas, formats and accessories, the highest quality requirements as well as individual customer requests are equally met. In addition to fashion, design and colour trends, benefits such as care effects, durability and usability are taken into account when developing the latest beauty products. However, the concepts are not ready for



Storage tests for decorative cosmetic in the Memmert cooled incubator ICP

the market until intensive quality tests have been carried out. Of course, the state-of-the-art production is in accordance with international directives for the production of cosmetic products and strictly adheres to the requirements of the cosmetic GMP, which defines obligatory guidelines for all production stages.

Storage tests of cosmetic pencils

For **storage tests** after the development of new formulas and packaging variants, a **Memmert cooled incubator** ICP 600 is part of **Faber-Castell Cosmetics'** equipment of measuring and testing devices. The wood or plastic-cased **cosmetic pencils** and applicators are stored in the **cooled incubator** at different temperatures between 5 °C and 50 °C for twelve weeks and subsequently tested for changes of the colouring component and case. The **cooled incubator** is moreover used for **temperature tests** at changing temperatures.

Temperature stability in the cooled incubator

Andreas Buchner, R&D Manager Process Development at **Faber-Castell Cosmetics**, explains that there are no standards for these kinds of tests. The parameters for all **storage tests** are therefore defined by in-house standards according to the current state of technology. Since **storage tests** are performed at defined temperatures, **temperature stability** in the **cooled incubator** is an important criterion. The specified maximum temperature deviation in terms of time and space is ± 1 °C. Besides **temperature stability**, another decision criteria in choosing the right appliance were the convenient programming as well as the possibility of logging and reading out the process parameters saved in the cooled incubator even after longer periods of time.

AtmoSAFE would like to thank Andreas Buchner, R&D Manager Process Development at **Faber-Castell Cosmetics** for the friendly support in creating this article.

Sample storage in the cooled incubator

The BAM, Federal Institute for Materials Research and Testing, conditions mortar and concrete prisms in the Memmert IPP Peltier-cooled incubator before performing tests in the calorimeter.

[more information](#)

An overview of the main topics

- Cooled incubator
- Storage test decorative cosmetics, cosmetic pencils
- Sample storage
- Temperature testing
- Temperature stability
- Faber-Castell Cosmetics

Laborgeräte zum Bebrüten

[Cooled incubator ICP](#)

[Peltier-cooled incubator IPP](#)

[Heating Oven U](#)

[Temperature test chamber TTC](#)

Picture credits: Memmert, Faber Castell Cosmetics

Autor: Memmert GmbH + Co. KG

www.atmosafe.net > [Applications](#) > [Storage tests](#) > [decorative cosmetics](#)

AtmoSAFE is a brand of Memmert GmbH + Co. KG
Copyright © 2009 Memmert GmbH + Co. KG.
All Rights Reserved.



memmert
Experts in Thermostatics