

Stability Testing of Cosmetic Products

Stability testing of cosmetic products

is the ability of a cosmetic product to resist change or variation of its initial properties over time under stated or reasonably foreseeable conditions of storage and use.

Shelf-life of a cosmetic product

is the recommended time period that a cosmetic product can be kept after its production, during which the defined quality of the product remains acceptable under expected conditions of distribution, storage, display and usage.

According to the EU Cosmetics Regulation EC 1223/2009:

- If shelf-life is longer than 30 months, PAO indication is required
- If shelf-life is lower than 30 months, expiration date is required

What do we provide?

- **Accelerated Stability study:** if you are aiming for more than 30 months of shelf-life to avoid reporting expiration dates on the packaging

- **Stability study:** the study proceeds in the most inert packaging possible (regardless of the final packaging)

Gives you information about the stability of the product in different conditions

- **Compatibility study:** the study proceeds in the final packaging. Gives you information about the interaction between the packaging and the product in different conditions

- **PAO (Period after opening) study:** refers to the amount of time a product will remain stable and safe for human use after it has first been opened

Which conditions do we test?

- Low temperatures (5°C, no light)
- Medium temperatures (25°C+60% RH, no light)
- High temperatures (40°C+75% RH, no light)
- Window light
- Freeze/Thaw cycles

What parameters we look for?

- Colour, Appearance, Odour
- Density
- Viscosity
- pH measurement
- Weight loss
- Packing integrity
- Microbiological analysis
- Challenge test

How can we customize it?

Since the cosmetic and personal care products are composed of a wide variety of formulations the parameters we can evaluate are not limited to these ones.

Time point and test conditions can also be adjusted according to your request.

