

HOW TO READ AN INFORMATION CARD

STABILITY & PERFORMANCE TABLE

These tables are a guide and are intended to assist perfumers when choosing ingredients for creation.

“RECOMMENDED APPLICATIONS” is a non-exhaustive list of applications where our perfumers have found value in creating with the given ingredient, at the indicated dosage range.

“STABILITY” is the result of tests carried out in in-house bases over a period of 1 month at 40°C. Detergent refers to powder detergent containing a bleaching agent. Softener stands for standard concentration fabric conditioner (fabric softener). APC stands for All Purpose Cleaner.

Results are given using the following code:

- excellent
- good
- acceptable
- poor

For this selecting option we propose ingredients with excellent and good results.

Under **“SUBSTANTIVITY & REMARKS”** we indicate the relative performance of the given ingredient per application. **“Wet”** and **“dry”** relate to the residual fragrance intensity in the following way:

- > for shampoo: on freshly washed wet hair and 6 hour dry hair
- > for detergent: on freshly machine washed cloth and 1 day dry cloth
- > for softener: on freshly machine washed cloth and 1 day dry cloth

For shower gel: **“bloom”** is an indication of the fragrance intensity perceived when the ingredient in the shower gel base is mixed with warm water.

For soap **“foam”** relates to the fragrance intensity perceived when using the soap bar, **“dry hand”** relates to the fragrance intensity perceived from a towel dried had after washing with standard soap containing the given ingredient.

Candle: **“Cold Wax”** refers to fragrance intensity perceived from the wax of a non-lit candle. **“Burning”** refers to fragrance intensity perceived from the lit candle.

Disclaimer:

The information in these tables is to the best of our knowledge and reflects our interpretation of in-house generated data. These tables do not intent to be a comprehensive reference document and we encourage the user to carry out stability and performance tests in their final application to determine suitability.

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NATURAL INGREDIENTS - TECHNOLOGIES

SFE: Supercritical Fluid Extraction - The fluid (CO₂), placed under specific conditions of temperature and pressure behaves like a solvent. The extraction carried out at a low temperature preserves the natural profile identity of the biomass. It is one of the most advanced sustainable extraction technologies for workers, environment and final product.

MD: Molecular Distillation - This distillation at low temperature under vacuum allows specific fractionation. Used to obtain colorless products as well as very precise fractions of any kind of extract.

E.O.: Essential Oil - Obtained by distillation of the biomass with water or steam. The essential oil is physically separated from the aqueous phase by decantation.

ABSOLUTE: Obtained by alcoholic washing of a primary solvent extraction from biomass.

CONCRETE, RESINOID: Obtained by primary solvent extraction from biomass.

SigNATURE: Symbiosis of all the expertise of Firmenich, the SigNatures behave like naturals. The process is a Co-Extraction of natural and synthetic ingredients some of which are captive. They help impart the natural feeling and evaporation profile to the formula. Inspired by the original «natural and fresh» characteristics of the material (like a flower on its stem they bring in olfactory memory, a unique SigNature, rich and contemporary.

FirEco®: Composition of natural extracts and synthetic molecules (some of which are captive) subjected to a specific process. A RECOstitution of Natural compounds, conforming to legal RECOmmendation, ECOnomical solutions, developed ECOlogically.

VULCAIN: Pyrogenation - A controlled and monitored creation of pyrogenized molecules during a specific heating process.

Type: Blend of materials.

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DISCLAIMER

Every effort has been made to ensure that the information provided here is up-to-date and complete.

The information in these tables is to the best of our knowledge accurate and reflects our interpretation of in-house generated data and should only be used as a guide. These tables do not intent to be a comprehensive reference document and we encourage prospective users to request the latest full Firmenich product specifications from their Firmenich sales office or official Firmenich distributor to determine their suitability for any use prior to their adoption. We also recommend that prospective users, as required, obtain approval from appropriate regulatory authorities.

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