

HOW TO READ A FLAVOR INGREDIENT INFORMATION CARD

INFORMATION

REGULATORY INFORMATION

The flavoring substances listed in the Firmenich Flavor Ingredients Catalogue are all mentioned on following lists:

EU COMMUNITY LIST with a FL-number (FL = FLAVIS = the EU Flavor Information System). Flavoring substances authorised for use in and on foodstuffs at national level in the EU have been listed by the Commission in a Register (the Community list), adopted as Commission Decision N° 1999/217/EC as amended. The registered substances are evaluated by the European Food Safety Authority (EFSA) according to the programme as laid down by Commission Regulation (EC) 1565/2000.

FEMA GRAS LIST WITH A FEMA NUMBER

Flavoring substance is listed as being generally recognised as safe (GRAS) on the FEMA (Flavoring Extract Manufacturers' Association) list are assigned a FEMA number. Flavoring substances are classified as GRAS (Generally Recognized as Safe) by FDA (Food and Drug Administration) and/or FEMA.

The flavoring substances in the Firmenich Flavor Ingredients Catalogue have also been registered/notified on at least one of the following :

- The Toxic Substances Control Act ("TSCA", 15 U.S.C. 2601 et seq.) with Environmental Protection Agency of the United States of America.
- The European Inventory of Existing Commercial Substances (EINECS) or the European List of New Chemicals Substances (ELINCS) under the Council Directive 67/548/EEC, as amended.

Information regarding national legislation and registration status for additional national inventories can be provided by our Product Safety & Regulatory Affairs department.

CAS numbers are given as reference information only and this for the most predominant constituents of each product and do not necessarily reflect all the registry numbers which a product is registered.

SAFETY AND HANDLING

For your guidance , typical dosage ranges are provided in the catalogue. These are provided for informational purposes only.

Material Safety Data Sheet (MSDS) and Safety Data Sheet (SDS) are available on request from Firmenich.

COMPLIANCE WITH LAWS

The buyer agrees that it shall be his responsibility to comply with all applicable laws and regulations relating to the Seller's product, once it has been purchased

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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 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.

NATUROME: Volatile recovering from distillation or steam distillation of fruits, semi-dried materials. Processing parameters are set up to complete original profile with volatiles. Referring to the European Flavor Regulation EC 1334/2008, Naturomes can be used in natural flavorings.

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.

ALCOHOLATE: The biomass blended in an hydroalcoholic solution, is distilled.

TINCTURE/INFUSION: Obtained by cold or warm maceration of the biomass in hydro-alcoholic solution.

CONCRETE, RESINOIDS, OLEORESINS: Primary volatile solvent extraction on biomass.

ABSOLUTE: Extract obtained through alcoholic washing of a primary solvent extraction (concrete or resinoid).

EXTRACT: Primary non volatile solvent extraction on biomass.

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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.

Firmenich expressly disclaims any implied warranty as to the quality, accuracy, completeness and compliance of this data or the results to be obtained from the use of such data by prospective users .

Some contents of this publication are reported from literature and are given for information purposes only and no citations or specific information should be understood as recommending the use of our products.