The **USDA National Organic Program (NOP)** allows the use of certain natural (non-synthetic) substances, including flavours, in products labelled as ‘Organic’ or ‘Made with Organic… (specified ingredients or food groups)’ providing they comply with provisions established in the USDA NOP (*7 CFR Part 205*).

The NOP defines **Non-synthetic** (natural) in 7 CFR 205.2: a substance that is derived from mineral, plant or animal matter and does not undergo a synthetic process as defined in section 6502 (21) of the Act (*7 U.S.C. 6502(21)*). Under the terms of the Act, **“synthetic”** means a substance that is formulated or manufactured by a chemical process or by a process that chemically changes a substance extracted from naturally occurring plant, animal, or mineral sources, except that such term shall not apply to substance created by naturally occurring biological processes.

**Non-synthetic Flavours authorized under the NOP, Section 205.605 (a)(12)** must be from non-synthetic sources only when organic flavours are not commercially available and must not be produced using synthetic solvents, carrier systems or any artificial preservative. In addition, **Section 205.105 (e)(f)** respectively prohibit so-called ‘excluded’ methods (GMOs) and ionizing radiation from being used to produce or during the handling of any ingredients or products under the NOP.

**FDA Definition of Natural Flavours** *FDA 21 CFR Part 101.22(a)(3)*: “…**natural flavour** or **natural flavouring** means the essential oil, oleoresin, essence or extractive, protein hydrolysate, distillate, or any product of roasting, heating or enzymolysis, which contains the flavouring constituents derived from a spice, fruit or fruit juice, vegetable or vegetable juice, edible yeast, herb, bark, bud, root, leaf or similar plant material, meat, seafood, poultry, eggs, dairy products, or fermentation products thereof, whose significant function in food is flavouring rather than nutritional. Natural flavours include [*but not exclusively*] the natural essences or extractives obtained from plants listed in §§182.10, 182.20, 182.40, and 182.50 and part 184 of this chapter, and the substances listed in §172.510 of this chapter.”

In order to approve the use of a natural flavour used in an ‘organic’ or ‘made with’ product, ACO requests the information below in order to determine compliance under the terms of the NOP. **ACO may request additional information as needed.**

**Identification of Natural Flavour Product (Name/code):**

**Supplier Name and Address:**

**Type of flavour (select one or more as necessary):**

* Protein Hydrolysate
* Compounded flavour
* Distillate
* Extracts
* Oleoresin
* Essential Oil
* Isolate
* Compounded WONF (With Other Natural Flavour)
* Other

**Natural Flavour Product**

1. **Flavour constituents**
2. Do all of the flavour constituents in the natural flavour product named above meet the FDA definition of a natural flavour (see above)?
   * Yes
   * No
3. **Natural flavours** authorized for use in NOP ‘organic’ or ‘made with organic’ products, in addition, must not be produced using **synthetic extraction solvents**. Extraction may only use natural, non-petroleum-based solvents. Is/are the natural flavour constituent(s) made using NOP-suitable extraction solvents? \*
   * Yes
   * No
   * N/A, no extraction solvents used.

* Please list any solvent(s) used in the production of this Natural Flavour Product:

* + N/A, no solvents used.

\*Allowed natural extraction solvents include water, natural ethanol, super-critical carbon dioxide, authentic essential oil, and natural vegetable oils. No hydrocarbon solvents, chlorinated, or halogenated solvents may be used. Propane, hexane, and freon are examples are solvents that are prohibited.

3. Commercial availability – Non-synthetic flavours may be used when organic flavours are not commercially available. Please list attempts to source organic flavours and details on availability:

1. **Non-flavour constituents and other ingredients**

Natural flavours authorized for use in NOP ‘organic’ or ‘made with organic’ products must not contain any synthetic carrier systems or any artificial preservatives, including but not limited to, propylene glycol, polyglycerol esters of fatty acids, mono- and di-glycerides, benzoic acid, polysorbate 80.

1. Please list any carrier system(s) used in this Natural Flavour Product or attach an Ingredient Statement:

* N/A, no carrier system(s) used.

1. Please list any preservative(s) used in this Natural Flavour Product or attach an Ingredient Statement:

* N/A, no preservative(s) used.

1. **Additional Information**
2. If **glycerin** is used as a carrier or solvent, is it produced by hydrolysis of fats and oils?

* Yes
* No
* N/A, no glycerin used

1. If **maltodextrin** is used as a carrier, please attach a thorough description of how the maltodextrin is made. List processing aids used and their function in the production of the maltodextrin.

* Attached

1. If **triglycerides** are used as a carrier or solvent, please attach a thorough description of how the triglycerides are made. List processing aids used and their function in the production of the triglycerides.

* Attached

1. **Genetically Modified Organism (GMO)**

Genetically Modified Organism (GMO) products may not be used at any stage in the process of making natural flavour products for NOP goods. **Excluded methods** (=GMO use) include a variety of methods used to genetically modify organisms or influence their growth and development by means that are not possible under natural conditions or processes and are not considered compatible with organic production. Such methods include, but are not limited to, recombinant DNA technology (including gene deletion, gene doubling, introduction of a foreign gene, and changing the positions of genes when achieved by recombinant DNA technology); therefore, GMO-plant extracts may not be used nor may natural flavours be the product of GMO-yeast fermentation.

* This natural flavour product, including any solvents, carriers, preservatives or other processing aids used or contained therein, was produced and handled **without the use of** excluded (GMO) methods?
  + Yes
  + No

1. **Ionizing Radiation**

Ionizing radiation is prohibited for all uses involving food preservation, pest control and pathogen control in NOP products. Other radiation uses, including food inspection, are permitted providing such use meets applicable FDA regulations, which establish limitations applicable to all (organic and non-organic) food products.

* Ionizing radiation as described in 21 CFR 179.26 was **not** used in the processing of this natural flavour product?
  + Yes
  + No

**Please sign this questionnaire below**

Pursuant to 7CFR §205.605(a)(12) and §205.105(e)(f), I, on behalf of the supplier, hereby attest that the information provided in this form is accurate and truthful to the best of my knowledge.

**Company Name:**

**Printed Name:**

**Title:**

**Signature:**

**Date:**