Product Specification



Product Name: COFFEE CO2 FLAVOR EXTRACT ESPRESSO WONF (WATER SOLUBLE)

Vigon Code: 503649

CAS Number: MIXTURE FEMA Number: N/A

<u>Characteristic:</u> <u>Specification:</u>

Density (@20c) 0.8000 0.8300
Odor COFFEE-LIKE ODOR.

Refractive Index (@20c) 1.3600 1.3800

Flavor PASSES TEST

Color/appearance DARK BROWN LIQUID.

Additional Product Information:

Flash Point: 59 °F

Shelf Life: 36 Months

Storage Conditions: Stable when stored in its original package, tightly sealed under refrigeration (35-45°F).

Effective Date: February 5, 2020

Printed Date: February 29, 2024



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1. IDENTIFICATION

Product Description: COFFEE CO2 FLAVOR EXTRACT ESPRESSO WONF (WATER SOLUBLE)

MIXTURE CAS#

Other means of identification

Vigon Item # 503649

Recommended use Concentrated flavor ingredient which may be used in flavor compounds according to legal and

FEMA GRAS/FDA guidelines.

Recommended restrictions For Manufacturing Use Only

Company 24 Hour Emergency Response Information

INFOTRAC (ACCT# 78928); Vigon International, LLC

1-800-535-5053 WITHIN THE U.S.A. 127 Airport Road 1-352-323-3500 OUTSIDE THE U.S.A. E. Stroudsburg, PA 18301

For information call: 570-476-6300

Web Site: www.vigon.com

Manufacturer/Importer/Supplier/Distributor information

Manufacturer

Company name Vigon International, LLC Address 127 Airport Road

E. Stroudsburg, PA 18301

United States

570-476-6300 Telephone For information call:

Website www.vigon.com E-mail regulatory@vigon.com

INFOTRAC

Emergency phone number (ACCT# 78928); 1-800-535-5053 WITHIN THE U.S.A.

1-352-323-3500 OUTSIDE THE U.S.A.

2. HAZARD(S) IDENTIFICATION

Physical hazards Flammable liquids Category 2 Health hazards Acute toxicity, oral Category 5

Environmental hazards Not classified.

Label elements



Signal word

Hazard statement Highly flammable liquid and vapor. May be harmful if swallowed.



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Precautionary statement

Prevention Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Keep container tightly closed. Keep cool. Ground and bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use non-sparking tools. Take action

to prevent static discharges.

Response IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. IF ON SKIN (or hair): Take

off immediately all contaminated clothing. Rinse skin with water/shower. Call a POISON CENTER/doctor if you feel unwell. In case of fire: Use appropriate media to extinguish.

Storage Store in a well-ventilated place. Keep cool.

Disposal Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazard(s) not otherwise

classified (HNOC)

None known.

Supplemental information 11% of the mixture consists of component(s) of unknown acute dermal toxicity. 11% of the

mixture consists of component(s) of unknown acute inhalation toxicity. 90.05% of the mixture

consists of component(s) of unknown long-term hazards to the aquatic environment.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures

Chemical name	Common name and synonyms	CAS number	%
ETHYL ALCOHOL	ethanol ethyl hydroxide 1-hydroxyethane methyl carbinol	64-17-5	86 - < 92
ETHYL ACETATE	Acetic acid ethyl ester ETHYL ESTER OF ACETIC ACID VINEGAR NAPHTHA Acetic ether Ethyl ethanoate Acetoxyethane	141-78-6	0 - < 2.1

Other components below reportable levels

5 - < 10

4. FIRST-AID MEASURES

Inhalation If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.

For breathing difficulties, oxygen may be necessary. Call a physician if symptoms develop or

persist.

Skin contact Take off immediately all contaminated clothing. Get medical attention if irritation develops and

persists. Wash skin thoroughly with soap and water for several minutes.

Eye contact Remove contact lenses, if present and easy to do. Get medical attention if irritation develops and

persists. Promptly wash eyes with plenty of water while lifting the eye lids.

Ingestion Call a physician or poison control center immediately. If swallowed, rinse mouth with water (only if

the person is conscious). Do not induce vomiting. If vomiting occurs, the head should be kept low

so that stomach vomit doesn't enter the lungs.

Most important symptoms/effects, acute and

delayed

Headache. Direct contact with eyes may cause temporary irritation. Coughing.



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Indication of immediate medical attention and special treatment needed

Not available.

General information

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

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5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Water spray, fog, CO2, dry chemical, or alcohol resistant foam. Do not use a solid water stream as it may scatter and spread fire.

Unsuitable extinguishing media Specific hazards arising from

Fire may produce irritating, corrosive and/or toxic gases.

the chemical

Special protective equipment and precautions for firefighters

Firefighters must use standard protective equipment including flame retardant coat, helmet with

face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Structural firefighters protective clothing will only provide limited protection. Wear self-contained breathing apparatus with a full

facepiece operated in the positive pressure demand mode when fighting fires.

Fire fighting

equipment/instructions

In case of fire and/or explosion do not breathe fumes. Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk. Water runoff can cause environmental damage. Ventilate closed spaces before entering them. Keep run-off water out of sewers and water sources. Dike for water control.

Specific methods

General fire hazards

Use standard firefighting procedures and consider the hazards of other involved materials.

Static charges generated by emptying package in or near flammable vapor may cause flash fire.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Methods and materials for containment and cleaning up

Eliminate all sources of ignition. Avoid contact with skin or inhalation of spillage, dust or vapor. Keep unnecessary personnel away. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them.

Collect and dispose of spillage as indicated in section 13 of the SDS.

Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb with inert absorbent such as dry clay, sand or diatomaceous earth, commercial sorbents, or recover using pumps. Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area).

Never return spills in original containers for re-use. This material and its container must be disposed of as hazardous waste. Prevent product from entering drains.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Environmental precautions

Retain and dispose of contaminated wash water. Avoid release to the environment. Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water.



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7. HANDLING AND STORAGE

Precautions for safe handlingDo not handle or store near an open flame, heat or other sources of ignition. Take precautionary

measures against static discharges. All equipment used when handling the product must be grounded. Avoid breathing vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged

exposure. Wash thoroughly after handling.

Conditions for safe storage, including any incompatibilities

Keep container closed. Handle containers with care. Open slowly in order to control possible

pressure release. Store in a cool, well-ventilated area.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limits

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Туре	Value	
ETHYL ACETATE (CAS 141-78-6)	PEL	1400 mg/m3	
		400 ppm	
ETHYL ALCOHOL (CAS 64-17-5)	PEL	1900 mg/m3	
		1000 ppm	
US. ACGIH Threshold Limit Values	S		
Components	Туре	Value	
ETHYL ACETATE (CAS 141-78-6)	TWA	400 ppm	
ETHYL ALCOHOL (CAS 64-17-5)	STEL	1000 ppm	
US. NIOSH: Pocket Guide to Chen	nical Hazards		
Components	Туре	Value	
ETHYL ACETATE (CAS 141-78-6)	TWA	1400 mg/m3	
		400 ppm	
ETHYL ALCOHOL (CAS 64-17-5)	TWA	1900 mg/m3	
		1000 ppm	

Biological limit values No biol

Appropriate engineering controls

No biological exposure limits noted for the ingredient(s).

Use explosion-proof ventilation equipment to stay below exposure limits. Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain

airborne levels to an acceptable level.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles).

Skin protection

Hand protection Chemical resistant gloves.



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Other Wear suitable protective clothing.

Respiratory protection Respiratory protection not required. If ventilation is insufficient, suitable respiratory protection must

be provided.

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations When using do not smoke. Keep away from food and drink. Always observe good personal

hygiene measures, such as washing after handling the material and before eating, drinking, and/or

smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Refer to Spec Sheet

Physical state Liquid.
Form Liquid.

Color Refer to Spec Sheet

Odor Characteristic.
Odor threshold Not available.
pH Not available.
Melting point/freezing point Not available.

Initial boiling point and boiling

range

172.4 °F (78 °C) tested substance: Ethanol (literature value)

Flash point 59.0 °F (15.0 °C) Closed Cup

Evaporation rate Not available.

Flammability (solid, gas) Not applicable.

Upper/lower flammability or explosive limits

Explosive limit - lower (%) 3.4 % (V) tested substance: Ethanol (literature value) Explosive limit - upper (%) 15 % (V) tested substance: Ethanol (literature value)

Vapor pressure 59 mbar at 20 °C tested substance: Ethanol (literature value)

Vapor densityNot available.Relative densityNot available.

Solubility(ies)

Solubility (water) Soluble

Partition coefficient Not available.

(n-octanol/water)

Auto-ignition temperature Not available.

Decomposition temperature Not available.

Not available.

Viscosity
Other information

Density0.82 g/ml at 20 °CExplosive propertiesNot explosive.Molecular formulaNot applicableOxidizing propertiesNot oxidizing.



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10. STABILITY AND REACTIVITY

Reactivity The product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability Material is stable under normal conditions.

Possibility of hazardous

reactions

No dangerous reaction known under conditions of normal use.

Conditions to avoid Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the

flash point. Contact with incompatible materials.

Incompatible materials Strong oxidizing agents.

Hazardous decomposition

products

No hazardous decomposition products if stored and handled as indicated.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation Prolonged inhalation may be harmful.

Skin contact

No adverse effects due to skin contact are expected.

Eye contact

Direct contact with eyes may cause temporary irritation.

Ingestion May be harmful if swallowed.

Symptoms related to the physical, chemical and

physical, chemical and toxicological characteristics

Headache. Coughing.

Information on toxicological effects

Acute toxicity May be harmful if swallowed.

Product Species Test Results

COFFEE CO2 FLAVOR EXTRACT ESPRESSO WONF (WATER SOLUBLE)

Acute Oral

3750 mg/kg Calculation method

Components Species Test Results

ETHYL ALCOHOL (CAS 64-17-5)

Acute

Dermal

LD50 Rabbit > 15800 mg/kg

Skin corrosion/irritation Prolonged skin contact may cause temporary irritation.

Serious eve damage/eve Direct contact with eyes may cause temporary irritation.

irritation

Respiratory or skin sensitization

Respiratory sensitization Not a respiratory sensitizer.

Skin sensitization This product is not expected to cause skin sensitization.

Germ cell mutagenicityNo data available to indicate product or any components present at greater than 0.1% are

mutagenic or genotoxic.



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Carcinogenicity

IARC Monographs. Overall Evaluation of Carcinogenicity

Not listed.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not listed.

US. National Toxicology Program (NTP) Report on Carcinogens

Not listed.

Reproductive toxicityThis product is not expected to cause reproductive or developmental effects.

Specific target organ toxicity -

Not classified.

single exposure

Specific target organ toxicity -

repeated exposure

Not classified.

Aspiration hazard Not an aspiration hazard.

Chronic effects Prolonged inhalation may be harmful.

12. ECOLOGICAL INFORMATION

Ecotoxicity LC50 Leuciscus idus: 87 mg/l / 96 h

Test substance: Caffeine

literature

EC50 Daphnia magna: 182 mg/l / 48 h

Test substance: Caffeine

literature

EC50 Desmodesmus subspicatus (green algae): > 100 mg/l / 72 h

Test substance: Caffeine

literature

Components Species Test Results

ETHYL ACETATE (CAS 141-78-6)

Aquatic Acute

Fish LC50 Indian catfish (Heteropneustes fossilis) >= 200.32 - <= 225.42 mg/l, 96 hours

Persistence and degradability Biodegradability

Test substance: Ethanol Readily biodegradable.

literature

Chemical Oxygen Demand (COD): 1700 mg/g

Test substance: Ethanol

literature

Biochemical Oxygen Demand (BOD): 1000 mg/g

Concentration: (BOD5)
Test substance: Ethanol

literature

Bioaccumulative potential

Partition coefficient n-octanol / water (log Kow)

ETHYL ACETATE 0.73



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Partition coefficient n-octanol / water (log Kow)

ETHYL ALCOHOL -0.31

Mobility in soil No data available.

Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation

potential, endocrine disruption, global warming potential) are expected from this component.

13. DISPOSAL CONSIDERATIONS

Disposal instructions Do not discharge into drains, water courses or onto the ground. Do not allow this material to drain

into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or

used container. Dispose of contents/container in accordance with

local/regional/national/international regulations.

Dispose in accordance with all applicable regulations. Local disposal regulations

Hazardous waste code Not established.

Waste from residues / unused Empty containers or liners may retain some product residues. This material and its container must

products

be disposed of in a safe manner (see: Disposal instructions). Since emptied containers may retain product residue, follow label warnings even after container is Contaminated packaging

emptied. Empty containers should be taken to an approved waste handling site for recycling or

disposal.

14. TRANSPORT INFORMATION

ADN

UN number 1197

UN proper shipping name EXTRACTS, LIQUID

Transport hazard class(es) 3 Subsidiary class(es) Ш Packing group **Environmental hazards** No Labels required 3

ADR

UN number 1197

UN proper shipping name EXTRACTS, LIQUID

Transport hazard class(es) 3 Subsidiary class(es) Packing group Ш **Environmental hazards** No Labels required 3

RID

UN number 1197

UN proper shipping name EXTRACTS, LIQUID

Transport hazard class(es) 3 Subsidiary class(es) **Packing Group** Ш **Environmental Hazards** No Labels required 3

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.



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DOT

BULK

UN number 1197

Proper shipping name EXTRACTS, FLAVORING, LIQUID

Hazard class 3
Packing group II

Environmental hazards

Marine pollutant No Labels required 3

DOT

NON-BULK

UN number 1197

Proper shipping name EXTRACTS, FLAVORING, LIQUID

Hazard class 3
Packing group II

Environmental hazards

Marine pollutant No Labels required 3

IATA

UN number 1197

UN proper shipping name EXTRACTS, LIQUID

Transport hazard class(es) 3
Subsidiary class(es) Packing group II
Environmental hazards No
Labels required 3

IMDG

UN number 1197

UN proper shipping name EXTRACTS, LIQUID

Transport hazard class(es) 3
Subsidiary class(es) Packing group II
Environmental hazards

Marine pollutant No Labels required 3

Transport in bulk according to Annex II of MARPOL

73/78 and the IBC Code

Not applicable.



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ADN; ADR; DOT BULK; DOT NON-BULK; IATA; IMDG; RID



15. REGULATORY INFORMATION

US federal regulationsThis product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication

Standard, 29 CFR 1910.1200.

Toxic Substances Control Act (TSCA)

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

ETHYL ACETATE (CAS 141-78-6) Listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous Yes

chemical

Classified hazard Flammable (gases, aerosols, liquids, or solids)

categories

SARA 313 (TRI reporting)

Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act Not regulated.

(SDWA)

FEMA Priority Substances Respiratory Health and Safety in the Flavor Manufacturing Workplace

ETHYL ACETATE (CAS 141-78-6) Low priority ETHYL ALCOHOL (CAS 64-17-5) Low priority



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US state regulations

US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a)) ETHYL ACETATE (CAS 141-78-6)

OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Issue date 11-18-2015 **Revision date** 01-30-2023

Version # 03

HMIS® ratings Health: 1

Flammability: 3 Physical hazard: 0

List of abbreviations ACGIH: American Conference of Governmental Industrial Hygienists.

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

CAS: Chemical Abstract Service.

IARC: International Agency for Research on Cancer.

IATA: International Air Transport Association.

IBC Code: International Code for the Construction and Equipment of Ships Carrying Dangerous

Chemicals in Bulk.

IMDG: International Maritime Dangerous Goods.

MARPOL: International Convention for the Prevention of Pollution from Ships.

RID: Regulations concerning the International Carriage of Dangerous Goods by Rail.

STEL: Short term exposure limit. TWA: Time Weighted Average.

Disclaimer Vigon International, LLC cannot anticipate all conditions under which this information and its

product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available. The above information relates only to this product and not to its use in combination with any other material or any particular process and is designed only as guidance for the safe

handling, use, processing, storage, transportation, and disposal and should not be considered as a guarantee or quality specification. This product has not been evaluated for safe use in e-cigarettes or any vaping application where the product(s) is/are intentionally vaporized and inhaled. Vigon International, Inc. has performed no testing on these products in e-cig/vaping applications. It is the sole responsibility of the individual(s) purchasing this product to assess its' safety in the final application. The above information relates only to this product and not to its use in combination with any other material or any particular process and is designed only as guidance for the safe handling, use, processing, storage, transportation, disposal, and should not be considered as a guarantee or quality specification. The above information is based on data provided by and collected from recognized sources such as distributors, manufacturers, and technical groups and is considered to be accurate to the best of Vigon's knowledge as of the date of this document. It is the responsibility of the user to review all safety information about this product and determine its

handling procedures should be provided to all handlers and users, taking into account the intended use and the specific conditions and factors relating to such use in accordance with all applicable

safety and suitability in their own processes and operations. Appropriate warnings and safe

laws and regulations.

Revision informationThis document has undergone significant changes and should be reviewed in its entirety.



Date: February 28, 2024 דייט בַּאֲדֶר א' תשפ״י Kof-K ID: K-0000507

Certificate ID: RF0GO-YA9J5

Product Count: 1





This certificate is valid through

12/31/2024

Vigon International, LLC 127 AIRPORT RD. EAST STROUDSBURG, PA 18301 UNITED STATES

The following product(s) Manufactured By Vigon International, LLC are certified kosher with the listed restrictions.

Product Code	Product Name	Status	Restriction	UKD#
	COFFEE CO2 EXTRACT ESPRESSO (WATER SOLUBLE)	Parve	Kof-K symbol required 🔄	KFIZOUYTT7S



To verify or for the most up to date certificate please go to www.koshercertificate.com 201 The Plaza, Teaneck, NJ 07666 | Phone 201.837.0500 | fax 201.837.0126





This is to certify that the following product(s) have been produced under the supervision of the Islamic Food and Nutrition Council of America(IFANCA). The production facility as well as component ingredients have been reviewed and approved. The product(s) are in compliance with the halal requirements under Islamic laws.

Date: November 21, 2023

Document #: 6718.12506.II234481

Company Name & Address: Vigon International, LLC 127 Airport Road East Stroudsburg, Pennsylvania 18301 USA

Plant Name & Address: Vigon International, LLC 127 Airport Road East Stroudsburg, Pennsylvania 18301 USA

ProductName Product Code Product Certificate # Halal-ID

1. COFFEE CO2 FLAVOR EXTRACT ESPRESSO WONF (WATER 503649 B71196 SOLUBLE)

HC-23VIKA84

Muhammad Munir Chaudy, Ph(D) President





This Certificate is valid until January 31, 2025 and subject to renewal at that time.



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D220135401ICL1E

Food Grade Certification



Product Name: COFFEE CO2 FLAVOR EXTRACT ESPRESSO WONF (WATER SOLUBLE)

Vigon Code: 503649

FEMA #: N/A

Vigon International, LLC. certifies that the above flavor or ingredient is Food Grade in accordance with at least one of the following recognized organizations:

FDA/FEMA GRAS (Flavor and Extract Manufacturers Assoc. Generally Recognized as Safe)

JECFA (Joint FAO/WHO Expert Committee on Food Additives)

CoE (Council of Europe)

FLAVIS (Assigned by EFSA – European Food Safety Authority)

As a US based company, we have included the FEMA Number on this certificate however, the remaining numbers can be provided upon request. We hereby certify that this flavor or ingredient is safe for its intended use in food.

Vigon International, LLC. may terminate this certification at any time upon written notice in which this certificate shall become null and void as to any material supplied after termination of this certification.

Sincerely,

US - Natural Status Certificate



Product Name: COFFEE CO2 FLAVOR EXTRACT ESPRESSO WONF (WATER SOLUBLE)

Vigon Code: 503649

Vigon International, LLC. certifies that the product listed above is declared *natural* and *meets* the criteria of Naturalness as defined in Section 101.22 (a) (3) of Title 21 of the United States Code of Federal Regulations.

Vigon International, LLC. certifies that the product meets the following criteria:

- Does not contain any artificial flavors
- Is not adulterated or misbranded according to Food and Drug laws

Vigon International, LLC. may terminate this certification at any time upon written notice, in which this certification shall be null and void as to any material supplied after termination of the certification.

Sincerely,



Allergen/Sensitive Agents Identification Sheet

Product Name: COFFEE CO2 FLAVOR EXTRACT ESPRESSO WONF (WATER

SOLUBLE)

Vigon Code: 503649

* A check mark (🗹 indicates the Allergen/Sensitive Agent is present. If blank it means that there is no Allergen/Sensitive present.

ALLERGEN/SENSITIVE AGENTS	*
CORN & CORN PRODUCTS	
Includes modified starch, hydrolyzed protein, sweeteners, sugars, spice carriers	
EGG & EGG PRODUCTS	
liquid and powders	
FISH	
Includes any and all species of fresh and salt water fish	
GARLIC	
Dehydrated, powdered, granules, and flakes	
GLUTEN	
Wheat, rye, barley, oats, flour, etc.	
MILK & DAIRY PRODUCTS	
Includes whey, lactose, cheese, casein, spice carriers, milk, cream, etc.	
MONOSODIUM GLUTAMATE	
PEANUTS, PEANUT OIL & PEANUT DERIVED ITEMS	
Peanut meal, flour & ground nuts, szechwan sauce, mandelona nuts, etc.	
SESAME SEEDS & SESAME OIL	
CRUSTACEANS Shrimp, lobster, rock lobster, crab, crayfish, and products made from them	
MOLLUSKS	
Clams, mussels, oysters, scallops, and products made from them	
SOY	
Includes soya powder, protein, oil, lecithin, tofu	
SULFITES	
Includes sulfur dioxide, sodium dithionite, chemicals that lists sulfite, etc.	
TREE NUTS	
Includes almonds, beechnuts, bazil nuts, nutmeg, cashews, chestnuts, etc.	
WHEAT	
Includes hydrolyzed wheat protein, flour, gluten flour, starches	
MUSTARD & MUSTARD OIL	
LUPIN	
CELERY	

Vigon International, LLC. follows Good Manufacturing Practices and has implemented HACCP systems. Our personnel are trained on the proper handling of allergenic materials.

Sincerely,

Organic Statement



Product Name: COFFEE CO2 FLAVOR EXTRACT ESPRESSO WONF (WATER SOLUBLE)

Vigon Code: 503649

Vigon International, LLC. declares that the product listed above meets the requirements for nonagricultural (non-organic) substances allowed as ingredients in or on processed products labeled as "organic" or "made with organic (specified ingredients or food group(s))" [7 CFR 205.605(a)(9)].

All of the <u>flavor</u> constituents in the natural flavor product named above meet the FDA definition of a natural flavor.

No synthetic solvents were used.

This natural flavor 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.

Ionizing radiation as described in 21 CFR 179.26 was **not** used in the processing of this natural flavor product.

This natural flavor product was <u>not</u> derived from products using sewage sludge in their agricultural production.

Sincerely,

GMO Status Statement



Product Name: COFFEE CO2 FLAVOR EXTRACT ESPRESSO WONF (WATER SOLUBLE)

Vigon Code: 503649

Vigon International, LLC. declares that the product listed above is not derived from or produced using genetically modified organisms or their derivatives.

Sincerely,





Product Name: COFFEE CO2 FLAVOR EXTRACT ESPRESSO WONF (WATER SOLUBLE)

Vigon Code: 503649

Vigon International, LLC. declares that the product listed above has *not* been:

- a) Exposed to Ionizing Radiation
- b) Derived from Sewage Sludge
- c) Treated with Ethyl Oxide

Vigon International, LLC. may terminate this statement at any time upon written notice in which this statement shall be null and void as to any material supplied after termination of the statement.

Sincerely,

Heavy Metals and Pesticide Statement



Product Name: COFFEE CO2 FLAVOR EXTRACT ESPRESSO WONF (WATER SOLUBLE)

Vigon Code: 503649

Vigon International, LLC. declares that, to the best of our knowledge and belief, all ingredients in the product listed above are listed as being generally recognized as safe (GRAS) by the Food and Drug administration (FDA) when used in accordance with the FDA's good manufacturing practices (GMP) and contain no residues of heavy metals and pesticides in excess of tolerances set by the FDA and the Environmental Protection Agency (EPA).

Sincerely,

Stabilizer Statement



Product Name: COFFEE CO2 FLAVOR EXTRACT ESPRESSO WONF (WATER SOLUBLE)

Vigon Code: 503649

Vigon International, LLC. declares that, to the best of our knowledge that the product listed above has not been treated with BHT, BHA, Tocopherols or any other stabilizer.

Vigon International, LLC. may terminate this statement at any time upon written notice in which this statement shall be null and void as to any material supplied after termination of the statement.

Sincerely,

Continuing Product Guarantee



Product Name: COFFEE CO2 FLAVOR EXTRACT ESPRESSO WONF (WATER SOLUBLE)

Vigon Code: 503649

In accordance with the regulations promulgated under the Federal Food, Drug, and Cosmetic Act, Vigon International, LLC. hereby provides continuing guarantee for the item listed above.

The article(s) comprising each shipment or other delivery hereafter made by Vigon International, LLC. is hereby guaranteed, as of the date of shipment or delivery, to be, on such date, not adulterated or misbranded within the meaning of the Federal Food, Drug, and Cosmetic Act, and not an article which may not, under the provisions of section 404, 505, or 512 of the act, be introduced into interstate commerce.

The guarantee herein given shall be a continuing guarantee and shall remain in full force and effect until revoked in writing by the undersigned. This guarantee shall not limit or preclude the operation and effect of any and all provisions of any agreement(s) under which the articles covered by this guarantee are sold, and the provisions of such agreement(s) shall govern in the event of any conflict or inconsistency herewith. Supplier's liability for breach of this guarantee shall in no event exceed the value of such of the articles of the supplier shipped to or on the order of Purchaser hereunder as may fail to comply with this guarantee.

This guarantee shall be void and of no effect in any instance where the particular use by Purchaser of any article to which this guarantee would otherwise apply is a use which is not in accordance with the requirements of the Federal Food, Drug and Cosmetic Act. Any and all prior guarantees and/or indemnity agreements heretofore given by supplier, are hereby revoked.

Sincerely,





Product Name: COFFEE CO2 FLAVOR EXTRACT ESPRESSO WONF (WATER

SOLUBLE)

Vigon Code: 503649

Vigon International, LLC. certifies that the product listed above is suitable for consumption by:

Vegans Do not eat meat, poultry, fish/seafood,eggs,dairy products, honey	
Lacto-Vegetarians Do not eat meat, poultry, fish/seafood, eggs, but do eat dairy products	•
Ovo-Vegetarians Do not eat meat, poultry, fish/seafood, dairy products, but do eat eggs	~
Vegetarians Do not eat meat, poultry, fish/seafood, but do eat dairy products and eggs	•

Sincerely,

Animal Testing Statement



Product Name: COFFEE CO2 FLAVOR EXTRACT ESPRESSO WONF (WATER SOLUBLE)

Vigon Code: 503649

Vigon International, LLC. is not in the practice of performing or commissioning animal testing on its finished products and actively evaluates the ingredients of its products through non-animal testing methods and through computational (predictive) toxicology programs.

Sincerely,

EU Declaration



Vigon Code: 503649

Product Name: COFFEE CO2 FLAVOR EXTRACT ESPRESSO WONF (WATER

SOLUBLE)

The product listed above is acceptable and/or approved for use in the European Union. Below is the flavoring status based on European Regulation 2008/1334/EC.

	Flavouring Preparation
	Natural Flavouring Substance
	Flavouring Substance
	Thermal Process Flavouring
	Smoke Flavouring
	Flavour Precursor
~	Other Flavouring
	Not Applicable: Contains no ingredients whose use is intended primarily for flavour.
	Not Permitted: Contains ingredient(s) which are not permitted in flavours in the EU.

Sincerely,

Printed: 02/29/24



NATURAL FLAVOR PRODUCT QUESTIONNAIRE - NATIONAL ORGANIC PROGRAM USE

The **USDA National Organic Program (NOP)** allows the use of certain natural (non-synthetic) substances, including flavors, in products labeled 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 substances created by naturally occurring biological processes.

Non-synthetic Flavors authorized under the NOP, Section 205.605 (a)(9) must be from non-synthetic sources only and must not be produced using synthetic solvents, carrier systems or any artificial preservative.

In addition, Sections 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 Flavors *FDA 21 CFR Part 101.22(a)(3)*: "...**natural flavor** or **natural flavoring** means the essential oil, oleoresin, essence or extractive, protein hydrolysate, distillate, or any product of roasting, heating or enzymolysis, which contains the flavoring 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 flavoring rather than nutritional. Natural flavors 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 flavor used in an "organic" or "made with" product, QAI requests the information below in order to determine compliance under the terms of the NOP. QAI may request additional information as needed.

Identification of Natural Flavor Product (Name/code): COFFEE CO2 FLAVOR EXTRACT ESPRESSO WONF (WATER SOLUBLE)/503649

Supplier Name and Address: Vigon International, LLC. 127 Airport Road East Stroudsburg, PA 18301 USA

Type of flavor (select one or more as necessary):

Protein Hydrolysate	Extracts		Essential oil
Compounded flavor	Oleoresin		Isolate
Distillate	Compounded WONF	X	Other

Natural Flavor Product

X Yes

1.	riavoi constituents
1.	Do all of the <u>flavor</u> constituents in the natural flavor product named above meet the <u>FDA definition of a natural flavor (see</u>
	above)?
	$\overline{\mathbf{X}}$ Yes \square No
2.	Natural flavors 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 flavor

N/A, no extraction solvents used

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constituent(s) made using NOP-suitable extraction solvents?*

No

Printed: 02/29/24



CERTIFIED ORGANIC
> Please list any solvent(s) used in the production of this Natural Flavor Product:
SUPERCRITICAL CARBON DIOXIDE
*Allowed natural extraction solvents include water, natural ethanol, super-critical carbon dioxide, authentic essential oil, and natural vegetable oils. No hydrocarbon solvents, or chlorinated, or halogenated solvents may be used. Propane, hexane, and freon are examples of solvents that are prohibited. B. Non-flavor constituents and other ingredients Natural flavors 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.
> Please list any carrier system(s) used in this Natural Flavor Product or attach an Ingredient Statement:
XN/A, no carrier system(s) used
> Please list any preservative(s) used in this Natural Flavor Product or attach an Ingredient Statement:
\overline{X} N/A, no preservative(s) used
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 flavors be the product of GMO-yeast fermentation. > This natural flavor 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? \textstyle{\textstyle{X}} \textstyle{\textstyle{Y}} \textstyle{\textstyle{N}} \textstyle{\textstyle{N}
D. 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 flavor product? XYes No
Please sign this questionnaire below
Pursuant to 7CFR §205.605(a)(9) 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: Vigon International LLC.
Printed Name: Amanda Moyer Title: Manager of Regulatory
Signature: Date: 02/29/24

Nanomaterials



Product Name: COFFEE CO2 FLAVOR EXTRACT ESPRESSO WONF (WATER SOLUBLE)

Vigon Code: 503649

We hereby confirm, to the best of our knowledge, that the above referenced product has not been formulated with engineered nanomaterials.

"Engineered nanomaterial" means any intentionally producted material that has one or more dimensions of the order of 100 nm or less or that is composed of discrete functional parts, either internally or at the surface, many of which have one or more dimensions of the order of 100 nm or less, including structures, agglomerates or aggregates, which may have a size above the order of 100nm but retain properties that are characteristic of the nanoscale.

Sincerely,

Transmissible Spongiform Encephalopathy (TSE) and Bovine Spongiform Encephalopathy (BSE) Statement





Product Name: COFFEE CO2 FLAVOR EXTRACT ESPRESSO WONF (WATER SOLUBLE)

Vigon Code: 503649

Vigon International, LLC. products are manufactured wholly from synthetic, natural or manufactured materials and do not contain any raw materials produced from or substances derived of animal origin. Moreover, these products do not contain, and are not derived from, specified risk material as defined in Commission Decision 97/534/EC or mechanically recovered meat obtained from the vertebral column of bovine, ovine or caprine animals.

The manufacturing process does not use any ingredient of animal origin nor do our products come in contact with animal products during storage and transportation.

We further declare that our products are Dioxin Free.

Therefore, to the best of our knowledge the product listed above are free from Transmissible Spongiform Encephalopathy (TSE) and Bovine Spongiform Encephalopathy (BSE).

Vigon International, LLC. may terminate this statement at any time upon written notice, in which this statement shall be null and void as to any material supplied after termination of the statement.

Sincerely,

Vigon Regulatory Department regulatory@vigon.com

Date of Issue: February 29, 2024

Residual Solvents



Product Name: COFFEE CO2 FLAVOR EXTRACT ESPRESSO WONF (WATER SOLUBLE)

Vigon Code: 503649

Based on our knowledge of the production process(es), raw materials and equipment used, there is the potential for the following residual solvent(s) in this product:

Supercritical Carbon Dioxide 0.0000 %

Sincerely,

EU Fragrance Allergen Statement



Product Name: COFFEE CO2 FLAVOR EXTRACT ESPRESSO WONF (WATER SOLUBLE)

Vigon Code: 503649

The product listed above is in compliance with the European Directive 76/768/EEC established by the SCCNFP declared allergens. This product is free of these fragrance allergens.

Sincerely,

Melamine Statement



Product Name: COFFEE CO2 FLAVOR EXTRACT ESPRESSO WONF (WATER SOLUBLE)

Vigon Code: 503649

Based on our knowledge of our production process, raw materials and equipment used we do not expect melamine to be present.

Sincerely,

Phthalate Statement



Product Name: COFFEE CO2 FLAVOR EXTRACT ESPRESSO WONF (WATER SOLUBLE)

Vigon Code: 503649

We've performed a risk assessment on our product contact plastics which include tubes, joints, caps, pumps, as well as packaging (e.g. plastic wraps and bags) and can confirm that our plastic products do not contain certain phthalate esters (most notably bis-2-Ethylhexyl phthalate[DEHP] and dibutyl phthalate [DBP]).

Sincerely,



Vigon International, LLC. 127 Airport Road East Stroudsburg, PA 18301-9629 USA +1.570.476.6300 | sales@vigon.com

Country of Origin: USA

COFFEE CO2 FLAVOR EXTRACT **ESPRESSO WONF (WATER SOLUBLE)**

MIXTURE CAS#:

Chemical Name:

Flash Point:

59°F (15°C)

NONE Allergens:

0.000 Liters:

ID #: EXAMPLE Code: 503649

LB KG 0.000 | Produced on: 0.000

N/A

Approx. Tare:

Approx. Gross:

0.000

0.000 | Best used before:

N/A

Net:

0.000

EXAMPLE 0.000 Lot #:

STORAGE CONDITIONS: Stable when stored in its original package, tightly sealed under refrigeration (35-45°F).



INSTRUCTIONS FOR USE: Ask your employer for guidance regarding the safe use and handling of this product in your specific workplace environment based on the information provided in Vigon's Safety Data Sheet (SDS).

HAZARD STATEMENT: Highly flammable liquid and vapor. May be harmful if swallowed.PREC AUTIONARY STATEMENT: -PREVENTION- Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Keep cool. Ground and bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use non-sparking tools. Take action to prevent static discharges.-RESPONSE- IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Call a POISON CENTER/doctor if you feel unwell. In case of fire: Use appropriate media to extinguish.-STORAGE- Store in a well-ventilated place. Keep cool.-DISPOSAL-Dispose of contents/container in accordance with local/regional/national/international regulations.

