

TECHNICAL DATA SHEET
GRAPEFRUIT ESSENTIAL OIL FCF

Effective date: 03.2020

INFORMATION ON SUBSTANCE / MIXTURE

I.N.C.I.	Citrus Paradisi peel oil
Manufacturing process	Obtained by rectification of the essential oil of Citrus paradisi Macfad.
Part used	Peel

TECHNICAL DATA

Physical parameters

Appearance	Liquid
Color	Colorless to pale yellow
Odor	Fruity, aromatic
Relative density (d20/20)	[0.840 ; 0.860]
Refractive index at 20°C	[1.470 ; 1.480]
Angular rotation (°)	[+90 ; +130]
Flash point	49°C

Chemical parameters

Analysis method GC-MS

Hydrocarbon content	N.A.
V.O.C. (volatile organic compound) content	N.A.

Biological parameters

Aerobic Bacteria (TAMC)	< 100 cfu/g
Yeasts and molds	< 10 cfu/g
Enterobacteriaceae	< 10 cfu/g
Salmonella	Absent in 25g
Escherichia coli	Absent in 1g
Staphylococcus aureus	Absent in 1g

Contaminants

Heavy metals	The raw plant material conforms to EC Reg. 629/2008 Because of the concentration factor of the extraction process, the extract itself may have high levels of some heavy metals. However, at
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	the recommended level of use per application, the final consumer product will also conform to European legislation.
Pesticides	The raw plant material conforms to EC Reg. 839/2008 amending EC Reg. 396/2005. Because of the concentration factor of the extraction process, the extract itself may have high levels of some pesticides. However, at the recommended level of use per application, the final consumer product will also conform to European legislation.
Residual solvents	According to Directive 2009/32/EC
Mycotoxins/ contaminants	According to EC Reg. 629/2008 amending EC Reg. 1881/2006
IPA	According to CE Reg. 2015/1933
BSE/TSE	Does not contain ingredients of animal origin, there is no risk of cross contamination because it is not present in our factory
GMO	GMO free according to EC Reg. 1829/2003 and 1830/2003
Radioactivity	According to EC Reg. 1048/2009 (extension of EC Regulation 733/2008)

Content of limited substances which shall not be added as such to food (annex III CE Reg. 1334/2008)

Compound	Max %
Agaric acid	0.00
Aloin	0.00
Capsaicin	0.00
1,2-Benzopyrone, coumarin	0.00
Hypericin	0.00
Beta-asarone	0.00
Estragole (methyl cavhicol, 1-allil-4-methoxybenzene)	0.00
Hydrocyanic acid	0.00
Menthofuran	0.00
Methyleugenol (4-allil-1,2-dimethoxybenzene)	0.00
Pulegone	0.00
Quassin	0.00
Safrole (1-allil-3,4-methylenedioxybenzene)	0.00
Teucrin A	0.00
Alpha-thujone	0.00
Beta-thujone	0.00

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TRANSPORT, STORAGE and SHELF LIFE

Storage conditions	Store product in full, tightly closed containers
Shelf Life	36 months under good storage conditions
Custom Tariff	3019010

LEGISLATION

Vegan and vegetarian statement	Does not contain ingredients of animal origin, there is no risk of cross contamination because it is not present in our factory
FDA	182.20
FEMA	4851
COE	140
EINECS	289-904-6
C.A.S.	68917-32-8/90045-43-5
REACH pre-registration number	05-2117973762-31-0000

LABELING

Hazard pictograms	
Hazard categories	AH1 Aspiration hazard 1 EHC2 Hazardous to the aquatic environment, long-term hazard 2 FL3 Flammable Liquids 3 SCI2 Skin corrosion / irritation 2 SS1A Sensitisation, skin 1A
Hazard statements	H226 – Flammable liquid and vapour. H304 – May be fatal if swallowed and enters airways. H315 – Causes skin irritation. H317 – May cause an allergic skin reaction. H411 – Toxic to aquatic life with long lasting effects.
Precautionary statements	P210 – Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P233 – Keep container tightly closed.

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	P241 – Use explosion-proof electrical/ventilating/lighting/.../equipment. P242 – Use only non-sparking tools. P243 – Take precautionary measures against static discharge. P264 – Wash ... thoroughly after handling.
European Union specific hazard statements	None

DISCLAIMER

All warranty claims in respect to the conformity of our product are subject to our General Terms and Conditions of Sale and Delivery. The data listed above reflects the results of the manufacturer or our supplier quality tests. We do not hereby make any express or implied warranty, whether for specific properties or for fitness for any particular application or purpose. All values are valid for the product when dispatched from the works. We recommend you perform your own quality and or identification checks on receipt.

ELEMENTAL