
	TECHNICAL SPECIFICATIONS		Código	SF-CCAL-ET-01
	GMP+ ASSURED ACID OIL		Fecha	05/05/2022
			Revisión	11
			Sector	Control de Calidad
			Página	1 de 10

PRODUCT
Acids Olis Mixture from Chemically Refining of Various Vegetable Oils. (GMP+ N° 13.031; Feed Catalogue 68/2013 N° 13.6.1) GMP+ FSA assured
GENERAL INFORMATION
1- DESCRIPTION
Raw material for animal feed Vegetable fatty acids obtained from the processing and / or refining of vegetable oils byproducts during the separation of the triglycerides, free fatty acids, neutralization sludge and / or gums, by hydrolysis with an acid catalyst occurs.
2- ORIGIN
Byproduct of the vegetable oil industry, providing from sunflower, soybean, corn, peanuts. The origin can be arranged according to customer requirements.
3- EXPIRATION
12 months
4- ADDITIVES
Whithout additives
5- TRACEABILITY
Each batch contains data sheet information to monitor their traceability: Product ID, production date, date and place of dispatch, ID transportation and Quality Analysis
6- STORAGE
This product should preferably be stored in stainless steel or coated with epoxy resin deposits. Tanks must be clean, free of moisture and closed to the outside to prevent oxidation.
7- TRANSPORT
The product can be shipping in trucks, isotanks, flexitanks, or vessel's cargo tanks. They must be properly sanitized and dry, with no odor, foreign matter and pests. Competent authority should authorize shipping. They must record the last three previous cargoes, which should be allowed under current regulations and requirements of GMP +.
8- REFERENCE
TS 1.4 Forbidden products and fuels TS 1.5 - Specific feed safety limits Customer specifications IDTF – International Database Feed Transport Reg. (UE) 396/2005, Annex I Directive 2002/32/EC. Reg. (UE) 744/2012, Reg. (UE) 574/2011, Reg. (UE) 1275/2013, Reg. (UE) 2015/186, Reg. (UE) 2017/2229, Reg. (UE) 2017/171, Reg. (EU) No 2019/1869, Reg. (EU) No 574/2011.

	TECHNICAL SPECIFICATIONS	Código	SF-CCAL-ET-01
	GMP+ ASSURED ACID OIL	Fecha	05/05/2022
		Revisión	11
		Sector	Control de Calidad
		Página	2 de 10

CONTAMINANTS

1-Composition

Composition	
Free fatty acids (as oleic acid)	40 %w/w min.
Fatty acids composition	Palmitic acid (C14:0): 5-15% Stearic acid (C18-0): 1-10% Oleic acid (C18:1): 15-25% Linoleic acid (C18:2): 40-60% Linolenic acid (C18:3): 1-15%
Moisture and impurities	3 %w/w max.

2- Chemical contaminants

Heavy metals	Rejection limit	REFERENCE LEGISLATION
Arsenic (As)	2 mg/Kg	Reg. (EU) No 2019/1869. Annex I to Directive 2002/32/EC
Cadmium (Cd)	1 mg/kg	Reg. (EU) No 1275/2013. Annex I to Directive 2002/32/EC
Lead (Pb)	10 mg/kg	Reg. (EU) No 2019/1869. Annex I to Directive 2002/32/EC
Mercury (Hg)	0,1 mg/kg	Reg. (EU) No 2019/1869. Annex I to Directive 2002/32/EC
Nickel (Ni)	20 mg/kg	Reg. (EU) No 574/2011. Annex I to Directive 2002/32/EC

Pesticides	Rejection limit	REFERENCE LEGISLATION
See table below	-	Reg. (EU) No 2019/1869. Annex I to Directive 2002/32/EC. Pesticides which are not included in Directive 2002/32 / EEC, Annex I, Section IV should comply to Regulation (EC) no. 396/2005


Dioxins	Rejection limit	REFERENCE LEGISLATION
Dioxins (D)	0,75 ug/Kg	Commission Regulation (EU) No 2019/1869 amending Annex I to Directive 2002/32/EC.
Dioxins like PCB (DLPCB)	0,5 ug/Kg	
Sum of Dioxins and Dioxins like PCB	1,5 ug/Kg	
Non dioxins like PCB (NDLPCB)	10 mg/kg	

Other undesirables	Rejection limit	REFERENCE LEGISLATION
Polyaromatic hydrocarbons (PAHs)	160 mg/kg	Commission Regulation (EU) No 2019/1869 amending Annex I to Directive 2002/32/EC.
Mineral oil hydrocarbons (C10-C40)	3000 mg/Kg	

*Analysis performed in external recognized GMP+ TS 4.2 laboratories.

3- Physical contaminants

This product is made following a strict HACCP plan that guarantee that it is free of foreign material that may adulterate the product or represent a possible danger to animal health.

	TECHNICAL SPECIFICATIONS	Código	SF-CCAL-ET-01
	GMP+ ASSURED ACID OIL	Fecha	05/05/2022
		Revisión	11
		Sector	Control de Calidad
		Página	3 de 10

Pesticide Package 1: Multiresidue method GC-MS/MS, LC-MS/MS positive mode (in accordance with EN 15662).

Pesticides (CAS)	
(Gamma and Lambda) Cyhalothrin (sum) (76703-62-3 and 91465-08-6)	Bifenthrin (82657-04-3)
2,3,5-Trimethacarb/3,4,5-Trimethacarb (2655-15-4)	Binapacryl (485-31-4)
2,4,5-T-Methylester (1928-37-6)	Bitertanol (55179-31-2)
2,4-D 2-ethylhexyl ester (1928-43-4)	Boscalid (188425-85-6)
2,4-D butylester (94-80-4)	Bromacil (314-40-9)
2,4-D-1-butyl ester (94-80-4)	Bromfeninfos-Methyl (13104-21-7)
2,4-D-ethyl ester (533-23-3)	Bromocyclen (1715-40-8)
2,4-D-iso-butyl ester (1713-15-1)	Bromophos-Ethyl (4824-78-6)
2,4-D-Methylester (1928-38-7)	Bromophos-Methyl (2104-96-3)
2-hydroxy-propoxycarbazone (496925-02-1)	Bromopropylate (18181-80-1)
2-Phenylphenol (90-43-7)	Bromoxynil-Methyl (3336-39-8)
3-Chloroaniline (108-42-9)	Bromoxynil-Octanoate (1689-99-2)
3-hydroxy-Carbofuran (16655-82-6)	Bromuconazole (116255-48-2)
4,4-Dibrombenzophenone (3988-03-2)	Bupirimate (41483-43-6)
Acephate (30560-19-1)	Buprofezin (69327-76-0)
Acetamidrid (135410-20-7; 160430-64-8 unspecified stereochemist)	Butachlor (23184-66-9)
Acetamidrid, N-desmethyl-, IM-2-1 (190604-92-3)	Butamifos (36335-67-8)
Acetochlor (34256-82-1)	Butocarboxim (34681-10-2)
Aclonifen (74070-46-5)	Butocarboxim-Sulfoxide (34681-24-8)
Acrinathrin (101007-06-1)	Butoxycarboxim (34681-23-7)
Alachlor (15972-60-8)	Butralin (33629-47-9)
Aldicarb (116-06-3)	Buturon (3766-60-7)
Aldicarb-Sulfone, Aldoxycarb (1646-88-4)	Cadusafos (95465-99-9)
Aldicarb-Sulfoxide (1646-87-3)	Carbaryl (63-25-2)
Aldrin (309-00-2)	Carbendazim (10605-21-7)
Allethrin (584-79-2)	Carbofuran (1563-66-2)
Ametryn (834-12-8)	Carbofuran-3-keto (16709-30-1)
Amidithion (919-76-6)	Carbophenothion (786-19-6)
Amidosulfuron (120923-37-7)	Carbophenothion-Methyl (953-17-3)
Aminocarb (2032-59-9)	Carbosulfan (55285-14-8)
Amitraz (33089-61-1)	Carboxin (5234-68-4)
Ancymidol (12771-68-5)	Carfentrazone (128621-72-7)
Atrazine (1912-24-9)	Carfentrazone-Ethyl (128639-02-1)
Atrazine-desethyl (6190-65-4)	Chinomethionat (2439-01-2)
Atrazine-desisopropyl (desethyl Simazine) (1007-28-9)	Chlorbenside (103-17-3)
Avermectin B1a (65195-55-3)	Chlorbromuron (13360-45-7)
Avermectin B1b (65195-56-4)	Chlorbufam (1967-16-4)
Azaconazole (60207-31-0)	Chlordane-cis (5103-71-9)
Azamethiphos (35575-96-3)	Chlordane-oxy (27304-13-8 or 26880-48-7)
Azinphos-Ethyl (2642-71-9)	Chlordane-trans (5103-74-2)
Azinphos-Methyl (86-50-0)	Chlordecone (143-50-0)
Aziprotryne (4658-28-0)	Chlorethoxyfos (54593-83-8)
Azoxystrobin (131860-33-8)	Chlorfenapyr (122453-73-0)
Barban (101-27-9)	Chlorfenprop-Methyl (14437-17-3)
Benalaxyl and Benalaxyl-M (71626-11-4/98243-83-5)	Chlorfenson (80-33-1)
Bendiocarb (22781-23-3)	Chlorfenvinphos (470-90-6)
Benfluralin (1861-40-1)	Chlorfluazuron (71422-67-8)
Benfuracarb (82560-54-1)	Chloridazon (1698-60-8)
Benodanil (15310-01-7)	Chlormephos (24934-91-6)
Benomyl (17804-35-2)	Chlorobenzilate (510-15-6)
Benoxacor (98730-04-2)	Chloroneb (2675-77-6)
Bensulfuron-Methyl (83055-99-6)	Chloropropylate (5836-10-2)
Bentazone (25057-89-0)	Chlorothalonil (1897-45-6)
Bentazone, 6-Hydroxy (60374-42-7)	Chloroxuron (1982-47-4)
Bentazone, 8-Hydroxy (60374-43-8)	Chlorpropham (101-21-3)
Benzoylprop-Ethyl (22212-55-1)	Chlorpyrifos (2921-88-2)
Bifenox (42576-02-3)	Chlorpyrifos-Methyl (5598-13-0)
	Chlorsulfuron (64902-72-3)
	Chlorthal-Dimethyl (1861-32-1)
	Chlorthion (500-28-7)
	Chlorthiophos (60238-56-4)



TECHNICAL SPECIFICATIONS

GMP+ ASSURED ACID OIL

Código

SF-CCAL-ET-01

Fecha

05/05/2022

Revisión

11

Sector

Control de Calidad

Página

4 de 10

Chlorthiophos-Sulfone (25900-20-3)	Dimefox (115-26-4)
Chlortoluron (15545-48-9)	Dimefuron (34205-21-5)
Chlozolinate (72391-46-9)	Dimethachlor (50563-36-5)
Cinidon-Ethyl (142891-20-1)	Dimethenamid (87674-68-8)
Cinosulfuron (94593-91-6)	Dimethipin (55290-64-7)
Clethodim (99129-21-2)	Dimethoate (60-51-5)
Clethodim-Sulfone (111031-17-5)	Dimethomorph (110488-70-5)
Clodinafop (114420-56-3)	Dimethylanilin, 2,4- (95-68-1)
Clodinafop-Propargyl (105512-06-9)	Dimethylphenylformamide, 2,4-, DMF (60397-77-5)
Clofentezine (74115-24-5)	Dimethylphenyl-N-Methylformamidine, N-2,4-, DMPF (33089-74-6)
Clomazone (81777-89-1)	Dimetilan (644-64-4)
Clothianidin (210880-92-5)	Dimoxystrobin (149961-52-4)
Coumaphos (56-72-4)	Diniconazole (83657-24-3)
Crotoxyphos (7700-17-6)	Dinitramine (29091-05-2)
Cyanazine (21725-46-2)	Dinobuton (973-21-7)
Cyanofenphos (13067-93-1)	Dinoseb acetate (2813-95-8)
Cyanophos (2636-26-2)	Dinoseb methyl ether (6099-79-2)
Cyfluthrin (sum) (68539-37-5)	Dioxathion (78-34-2)
Cyhalofop-Butyl (122008-85-9)	Diphenylamine (122-39-4)
Cymoxanil (57966-95-7)	Dipropetryn (4147-51-7)
Cypermethrin (sum) ()	Disulfoton (298-04-4)
Cyphenothrin (39515-40-7)	Disulfoton-sulfone (2497-06-5)
Cyproconazole (94361-06-5 / 94361-07-6)	Disulfoton-sulfoxide (2497-07-6)
Cyprodinil (121552-61-2)	Ditalimfos (5131-24-8)
Cyprofuram (69581-33-5)	Diuron (330-54-1)
Cyromazine (66215-27-8)	DMS (3984-14-3)
DDD-OP (53-19-0)	DMST (66840-71-9)
DDD-PP (72-54-8)	Edifenphos (17109-49-8)
DDE-OP (3424-82-6)	Emamectin B1a (121124-29-6)
DDE-PP (72-55-9)	Emamectin B1b (121424-52-0)
DDT-OP (789-02-6)	Endosulfan-alpha (959-98-8)
DDT-PP (50-29-3)	Endosulfan-beta (33213-65-9)
DEF/Tribufos (78-48-8)	Endosulfansulfate (1031-07-8)
Deltamethrin (cis) (52918-63-5)	Endrin (72-20-8)
Demeton-O (298-03-3)	Endrin, Keto- (53494-70-5 / 7378-10-1)
Demeton-s-Ethyl (126-75-0)	EPN (2104-64-5)
Demeton-S-Methyl (919-86-8)	Epoxiconazole (133855-98-8)
Demeton-S-Methyl-sulfon (17040-19-6)	Etaconazol (60207-93-4)
Desmedipham (13684-56-5)	Ethalfuralin (55283-68-6)
Desmetryn (1014-69-3)	Ethiofencarb (29973-13-5)
Dialifos (10311-84-9)	Ethiofencarb-Sulfone (53380-23-7)
Di-Allate (2303-16-4)	Ethiofencarb-Sulfoxide (53380-22-6)
Diazinon (333-41-5)	Ethion (563-12-2)
Dibrom (Naled) (300-76-5)	Ethiprole (181587-01-9)
Dicapthon (2463-84-5)	Ethofumesate (26225-79-6)
Dichlobenil (1194-65-6)	Ethofumesate-2-keto (26244-33-7)
Dichlofenthion (97-17-6)	Ethoprophos (13194-48-4)
Dichlofluanid (1085-98-9)	Etofenprox (80844-07-1)
Dichlone (117-80-6)	Etozazole (153233-91-1)
Dichlorobenzophenone, 4,4- (90-98-2)	Etridiazole (2593-15-9)
Dichlorvos (62-73-7)	Etrimfos (38260-54-7)
Diclofop (40843-25-2)	ETU (96-45-7)
Diclofop-Methyl (51338-27-3)	Famoxadone (131807-57-3)
Dicloran (99-30-9)	Famphur,Famophos (52-85-7)
Dicofol (4,4` : 115-32-2 / 2,4` : 10606-46-9)	Fenamidone (161326-34-7)
Dicrotophos (141-66-2)	Fenamiphos (22224-92-6)
Dieldrin (60-57-1)	Fenamiphos-sulfone (31972-44-8)
Diethofencarb (87130-20-9)	Fenamiphos-Sulfoxide (31972-43-7)
Difenoconazole (119446-68-3)	Fenarimol (60168-88-9)
Difenoخورon (14214-32-5)	Fenazaquin (120928-09-8)
Diflubenzuron (35367-38-5)	Fenbuconazole (114369-43-6)
Diflufenican (83164-33-4)	



TECHNICAL SPECIFICATIONS

GMP+ ASSURED ACID OIL

Código

SF-CCAL-ET-01

Fecha

05/05/2022

Revisión

11

Sector

Control de Calidad

Página

5 de 10

Fenchlorazole-Ethyl (103112-35-2)	Flutriafol (76674-21-0)
Fenclorophos (299-84-3)	Fluvalinate, tau- (102851-06-9)
Fenclorophos oxon (3983-45-7)	Fonofos (944-22-9)
Fenfluthrin (75867-00-4)	Formetanate (22259-30-9)
Fenhexamid (126833-17-8)	Formothion (2540-82-1)
Fenitrothion (122-14-5)	Fuberidazole (3878-19-1)
Fenobucarb (3766-81-2)	Furathiocarb (65907-30-4)
Fenothiocarb (62850-32-2)	Furmecycloz (60568-05-0)
Fenoxaprop and Fenoxaprop-P (113158-40-0/95617-09-7)	Genite (97-16-5)
Fenoxaprop-(P-)Ethyl (66441-23-4/71283-80-2)	Halfenprox (111872-58-3)
Fenoxycarb (72490-01-8)	Halofenozide (112226-61-6)
Fenpiclonil (74738-17-3)	Haloxypop (69806-34-4)
Fenpropathrin (64257-485)	Haloxypop-2-ethoxyethyl (87237-48-7)
Fenpropidin (67306-00-7)	Haloxypop-Methyl and Haloxypop-p-Methyl (69806-40-2)
Fenpropimorph (67564-91-4)	HCH-alpha (319-84-6)
Fenson (80-38-6)	HCH-beta (319-85-7)
Fensulfothion (115-90-2)	HCH-delta (319-86-8)
Fensulfothion-Oxon (6552-21-2)	HCH-epsilon (6108-10-7)
Fensulfothion-oxon-sulfon (6132-17-8)	HCH-gamma-(Lindane) (58-89-9)
Fensulfothion-sulfone (14255-72-2)	Heptachlor (76-44-8)
Fenthion (55-38-9)	Heptachlorepoxid cis (1024-57-3)
Fenthion-Oxon (6552-12-1)	Heptachlorepoxid trans (28044-83-9)
Fenthion-Oxonsulfone (14086-35-2)	Heptenophos (23560-59-0)
Fenthion-Oxonsulfoxide (6552-13-2)	Hexachlorobenzene (HCB) (118-74-1)
Fenthion-Sulfone (3761-42-0)	Hexaconazole (79983-71-4)
Fenthion-Sulfoxide (3761-41-9)	Hexazinone (51235-04-2)
Fenuron (101-42-8)	Hexythiazox (78587-05-0)
Fenvalerate/Esfenvalerate (RR/SS) (66230-04-4)	Imazalil (35554-44-0)
Fenvalerate/Esfenvalerate (RS/SR) (51630-58-1)	Imidacloprid (138261-41-3)
Fipronil (120068-37-3)	Indanofan (133220-30-1)
Fipronil-Desulfinyl (205650-65-3)	Indoxacarb (144171-61-9)
Fipronil-Sulfide (120067-83-6)	Iodofenphos (18181-70-9)
Fipronil-Sulfone (120068-36-2)	Iodosulfuron-Methyl (144550-06-1)
Flamprop-M-isopropyl (63782-90-1)	Ioxynil octanoate (3861-47-0)
Flamprop-M-Methyl (63729-98-6)	Iprobenfos (26087-47-8)
Flazasulfuron (104040-78-0)	Iprodione (36734-19-7)
Fonicamid (158062-67-0)	Iprovalicarb (140923-17-7)
Fonicamid-Metabolite TFNG (207502-65-6)	Isazofos (42509-80-8)
Florasulam (145701-23-1)	Isobenzan (Telodrin) (297-78-9)
Fluazifop (69335-91-7/83066-88-0)	Isocarbofos (24353-61-5)
Fluazifop-Butyl and Fluazifop-p-Butyl (69806-50-4/79241-46-6)	Isodrin (465-73-6)
Fluazuron (86811-58-7)	Isofenphos (25311-71-1)
Flubenzimine (37893-02-0)	Isofenphos-Methyl (83542-84-1)
Fluchloralin (33245-39-5)	Isofenphos-Oxon (31120-85-1)
Flucycloxiuron (94050-52-9 (E)-isomer; 94050-53-0 (Z)-isomer)	Isomethiozin (57052-04-7)
Flucythrinate (70124-77-5)	Isoprocab (2631-40-5)
Fludioxonil (131341-86-1)	Isopropalin (33820-53-0)
Flufenacet (142459-58-3)	Isoprothiolane (50512-35-1)
Flufenoxuron (101463-69-8)	Isoproturon (34123-59-6)
Flufenpyr-Ethyl (188489-07-8)	Isoxaben (82558-50-7)
Flumethrin (69770-45-2)	Isoxadifen-Ethyl (163520-33-0)
Flumetralin (62924-70-3)	Isoxaflutole (141112-29-0)
Fluometuron (2164-17-2)	Ivermectin B1a (70161-11-4)
Fluopicolide (239110-15-7)	Ivermectin B1b (70209-81-3)
Fluorodifen (15457-05-3)	Kresoxim-Methyl (143390-89-0)
Fluotrimazole (31251-03-3)	Lactofen (77501-63-4)
Fluquinconazole (136426-54-5)	Lenacil (2164-08-1)
Flurenol-Butyl (2314-09-2)	Leptophos (21609-90-5)
Flurochloridone (61213-25-0)	Linuron (330-55-2)
Flurprimidol (56425-91-3)	Lufenuron (103055-07-8)
Flurtamone (96525-23-4)	Malaixon (1634-78-2)
Flusilazole (85509-19-9)	Malathion (121-75-5)



TECHNICAL SPECIFICATIONS

GMP+ ASSURED ACID OIL

Código

SF-CCAL-ET-01

Fecha

05/05/2022

Revisión

11

Sector

Control de Calidad

Página

6 de 10

MCPA-1-butyl ester (1713-12-8)	Penconazole (66246-88-6)
MCPA-ethyl ester (2698-38-6)	Pencycuron (66063-05-6)
MCPA-thioethyl (25319-90-8)	Pendimethalin (40487-42-1)
Mecarbam (2595-54-2)	Pentachloro-aniline (527-20-8)
Mepanipyrim (110235-47-7)	Pentachloroanisole (1825-21-4)
Mepanipyrim, Hydroxypropyl- (204571-52-8)	Pentachlor (2307-68-8)
Mephosfolan (950-10-7)	Permethrin (52645-53-1)
Merphos (150-50-5)	Perthane (72-56-0)
Metalaxyl and metalaxyl-M (57837-19-1)	Phenkapton (2275-14-1)
Metalaxyl Metabolite CGA 108906 (104390-56-9)	Phenmedipham (13684-63-4)
Metalaxyl Metabolite CGA 62826 (87764-37-2)	Phenothrin (26002-80-2)
Metamitron (41394-05-2)	Phenthoate (2597-03-7) if required
Metazachlor (67129-08-2)	Phorate (298-02-2)
Metconazole (125116-23-6)	Phorate-Oxon (2600-69-3)
Methabenzthiazuron (18691-97-9)	Phorate-Oxonsulfone (2588-06-9)
Methacrifos (30864-28-9)	Phorate-Oxonsulfoxide (2588-05-8)
Methamidophos (10265-92-6)	Phorate-sulfone (2588-04-7)
Methidathion (950-37-8)	Phorate-sulfoxide (2588-03-6)
Methiocarb (2032-65-7)	Phosalone (2310-17-0)
Methiocarb-sulfon (2179-25-1)	Phosfolan (947-02-4)
Methiocarb-sulfoxide (2635-10-1)	Phosmet (732-11-6)
Metholachlor (51218-45-2)	Phosmet oxon (3735-33-9)
Methomyl (16752-77-5)	Phosphamidon (13171-21-6)
Methoprotrotryne (841-06-5)	Phoxim (14816-18-3)
Methoxychlor (72-43-5)	Picolinafen (137641-05-5)
Methoxyfenozide (161050-58-4)	Picoxystrobin (117428-22-5)
Metobromuron (3060-89-7)	Piperonyl-butoxide (51-03-6)
Metolcarb (1129-41-5)	Piperophos (24151-93-7)
Metoxuron (19937-59-8)	Pirimicarb (23103-98-2)
Metrafenone (220899-03-6)	Pirimicarb, Desmethyl- (30614-22-3)
Metribuzin (21087-64-9)	Pirimicarb, Desmethylformamido- (27218-04-8)
Metsulfuron-Methyl (74223-64-6)	Pirimiphos-Ethyl (23505-41-1)
Mevinphos (7786-34-7)	Pirimiphos-Methyl (29232-93-7)
Mirex (2385-85-5)	Plifenate (21757-82-4)
Molinate (2212-67-1)	Prallethrin (23031-36-9)
Monocrotophos (6923-22-4)	Primisulfuron-Methyl (86209-51-0)
Monolinuron (1746-81-2)	Prochloraz (67747-09-5)
Monuron (150-68-5)	Prochloraz metabolite BTS40348 (67747-01-7)
Myclobutanil (88671-89-0)	Prochloraz metabolite BTS44595 (139520-94-8)
Napropamide (15299-99-7)	Prochloraz metabolite BTS44596 (139542-32-8)
Neburon (555-37-3)	Procymidone (32809-16-8)
Nicosulfuron (111991-09-4)	Profenofos (41198-08-7)
Nitralin (4726-14-1)	Profluralin (26399-36-0)
Nitrapyrin (1929-82-4)	Promecarb (2631-37-0)
Nitrofen (1836-75-5)	Prometon (1610-18-0)
Nitrothal-isopropyl (10552-74-6)	Prometryn (7287-19-6)
Norflurazon (27314-13-2)	Propachlor (1918-16-7)
Novaluron (116714-46-6)	Propachlor oxalamic acid (70628-36-3)
Nuarimol (63284-71-9)	Propamocarb (24579-73-5)
Ofurace (58810-48-3)	Propanil (709-98-8)
Omethoate (1113-02-6)	Propargite (2312-35-8)
Orbencarb (34622-58-7)	Propazine (139-40-2)
Oxadiazon (19666-30-9)	Propetamphos (31218-83-4)
Oxadixyl (77732-09-3)	Propham (122-42-9)
Oxamyl (23135-22-0)	Propiconazole (60207-90-1)
Oxydemeton-Methyl (301-12-2)	Propoxur (114-26-1)
Oxyfluorfen (42874-03-3)	Propoxycarbazone (145026-81-9)
Paclobutrazol (76738-62-0)	Propyzamide (23950-58-5)
Paraoxon (311-45-5)	Prosulfocarb (52888-80-9)
Paraoxon-Methyl (950-35-6)	Prosulfuron (94125-34-5)
Parathion (56-38-2)	Prothioconazole (178928-70-6)
Parathion-Methyl (298-00-0)	Prothioconazole-Desthio (120983-64-4)



TECHNICAL SPECIFICATIONS

GMP+ ASSURED ACID OIL

Código

SF-CCAL-ET-01

Fecha

05/05/2022

Revisión

11


Sector

Control de Calidad

Página


7 de 10

Prothiofos (34643-46-4)	Terbutylazine (5915-41-3)
Prothoate (2275-18-5)	Terbutryn (886-50-0)
PTU (2122-19-2)	Tetrachlorvinphos (961-11-5)
Pymetrozin (123312-89-0)	Tetraconazole (112281-77-3)
Pyraclostrobin (175013-18-0)	Tetradifon (116-29-0)
Pyraflufen (129630-17-7)	Tetramethrin (7696-12-0)
Pyraflufen-Ethyl (129630-19-9)	Tetrasul (2227-13-6)
Pyrazophos (13457-18-6)	TFNA (158063-66-2)
Pyrethrins Cinerin I (25402-06-6)	Thiabendazole (148-79-8)
Pyrethrins Cinerin II (121-20-0)	Thiabendazole, 5-Hydroxy- (948-71-0)
Pyrethrins Jasmolin I (4466-14-2)	Thiacloprid (111988-49-9)
Pyrethrins Jasmolin II (1172-63-0)	Thiamethoxam (153719-23-4)
Pyrethrins Pyrethrin I (121-21-1)	Thiazafurion (25366-23-8)
Pyrethrins Pyrethrin II (121-29-9)	Thifensulfuron-Methyl (79277-27-3)
Pyridaben (96489-71-3)	Thiodicarb (59669-26-0)
Pyridaphenthion (119-12-0)	Thiofanox, Thiofanocarb (39196-18-4)
Pyridate (55512-33-9)	Thiofanox-Sulfone (39184-59-3)
Pyridate metabolit (40020-01-7)	Thiofanox-Sulfoxide (39184-27-5)
Pyrifeno (88283-41-4)	Thiometon (640-15-3)
Pyrimethanil (53112-28-0)	Thionazin (297-97-2)
Pyrimidifen (105779-78-0)	Thiophanate-Methyl (23564-05-8)
Pyrimite (5221-49-8)	Thiram (137-26-8)
Pyriproxyfen (95737-68-1)	Tiocarbazil (36756-79-3)
Quinalphos (13593-03-8)	Tolclofos-Methyl (57018-04-9)
Quinoxifen (124495-18-7)	Tolyfluanid (731-27-1)
Quintiofos (1776-83-6)	Toxaphene Palar 26 (142534-71-2)
Quintozene (82-68-8)	Toxaphene Palar 50 (66860-80-8)
Quizalofop, incl. Quizalofop-p ()	Toxaphene Palar 62 (154159-06-5)
Quizalofop-Ethyl (76578-14-8)	Transfluthrin (118712-89-3)
Resmethrin (10453-86-8)	Triadimefon (43121-43-3)
Rimsulfuron (122931-48-0)	Triadimenol (55219-65-3)
Rotenone (83-79-4)	Tri-allate (2303-17-5)
S421 (octachlordipropylet) (127-90-2)	Triamphos (1031-47-6)
Sebutylazine (7286-69-3)	Triasulfuron (82097-50-5)
Sethoxydim (74051-80-2)	Triazamate (112143-82-5)
Siduron (1982-49-6)	Triazophos (24017-47-8)
Silaneophan (Silafuofen) (105024-66-6)	Tribenuron-Methyl (101200-48-0)
Simazine (122-34-9)	Trichlorfon (52-68-6)
Simeconazole (149508-90-7)	Trichloronat (327-98-0)
Spinosyn A (131929-60-7)	Trichlorophenol, 2,4,6- (88-06-2)
Spinosyn D (131929-63-0)	Tridemorph (81412-43-3)
Spiromesifen (283594-90-1)	Tridiphane (58138-08-2)
Spiroxamine (sum) (118134-30-8)	Trietazine (1912-26-1)
Sulcotrione (99105-77-8)	Trifloxystrobin (141517-21-7)
Sulfotep (3689-24-5)	Trifloxysulfuron (145099-21-4)
Sulprofos (35400-43-2)	Triflumizole (68694-11-1 (formerly 99387-89-0))
Swep (1918-18-9)	Triflumizole-amino, FM-6-1 (131549-75-2)
Tebuconazole (107534-96-3)	Triflumuron (64628-44-0)
Tebufenozide (112410-23-8)	Trifluralin (1582-09-8)
Tebufenpyrad (119168-77-3)	Triflurosulfuron-Methyl (126535-15-7)
Tebupirimfos (96182-53-5)	Triforin (26644-46-2)
Tecnazene (117-18-0)	Triticonazole (131983-72-7)
Teflubenzuron (83121-18-0)	Uniconazole (83657-22-1)
Tefluthrin (79538-32-2)	Vamidothion (2275-23-2)
Temephos (3383-96-8)	Vinclozolin (50471-44-8)
TEPP (107-49-3)	Zoxamide (156052-68-5)
Terbacil (5902-51-2)	
Terbufos (13071-79-9)	
Terbufos-Sulfone (56070-16-7)	
Terbufos-Sulfoxide (10548-10-4)	
Terbutylazin-desethyl (30125-63-4)	

	TECHNICAL SPECIFICATIONS	Código	SF-CCAL-ET-01
	GMP+ ASSURED ACID OIL	Fecha	05/05/2022
		Revisión	11
		Sector	Control de Calidad
		Página	8 de 10

Pesticide Package 1: SUM pesticides multiresidue method GC-MS/MS, LC-MS/MS positive mode (in accordance with EN 15662).

Pesticides (sum parameters)
Abamectin (sum) (Avermectin Ivermectin)
Acetamiprid (sum) (Acetamiprid Acetamiprid, N-desmethyl-, IM-2-1)
Aldicarb (sum) (Aldicarb Aldicarb-Sulfone, Aldoxycarb Aldicarb-Sulfoxide)
Aldrin and Dieldrin (sum) (Aldrin Dieldrin)
Amitraz (sum) (Amitraz Dimethylanilin, 2,4- Dimethylphenylformamide, 2,4-, DMF Dimethylphenyl-N-Methylformamidine, N-2,4-, DMPF)
Bentazone (sum) (Bentazone Bentazone, 8-Hydroxy Bentazone, 6-Hydroxy)
Butocarboxim (sum) (Butocarboxim Butocarboxim-Sulfoxide Butocarboxim-Sulfone)
Camphechlor (Toxaphene) (Toxaphene Palar 26 Toxaphene Palar 50 Toxaphene Palar 62)
Carbendazim and benomyl (sum) (Benomyl Carbendazim)
Carbofuran (sum) (3-hydroxy-Carbofuran Carbofuran Carbofuran-3-keto Benfuracarb Carbosulfan Furathiocarb)
Carbophenothion (sum) (Carbophenothion Carbophenothion-Methyl)
Carfentrazone-Ethyl (sum) (Carfentrazone-Ethyl Carfentrazone)
Chlordane (sum) (Chlordane-cis Chlordane-trans)
Chlorpropham (sum) (3-Chloroaniline Chlorpropham)
Chlorthiophos (sum) (Chlorthiophos Chlorthiophos-Sulfone Chlorthiophos-Sulfoxide)
Clethodim and Sethoxydim (sum) (Clethodim Sethoxydim Clethodim-Sulfone)
Clodinafop (sum) (Clodinafop-Propargyl Clodinafop)
DDT (sum) (DDD-OP DDD-PP DDE-OP DDE-PP DDT-OP DDT-PP)
Diclofop (sum) (Diclofop Diclofop-Methyl)
Dimethoate and Omethoate (sum) (Dimethoate Omethoate)
Disulfoton (sum) (Disulfoton Disulfoton-sulfone Disulfoton-sulfoxide)
Emamectine (sum) (Emamectin B1a Emamectin B1b Emamectin benzoate B1a)
Endosulfan (sum) (Endosulfan-alpha Endosulfan-beta Endosulfansulfate)
Endrin (sum) (Endrin Endrin, Keto- Endrin Aldehyde)
Ethiofencarb (sum) (Ethiofencarb Ethiofencarb-Sulfone Ethiofencarb-Sulfoxide)
Ethofumesate (sum) (Ethofumesate Ethofumesate-2-keto)
Fenamiphos (sum) (Fenamiphos Fenamiphos-sulfone Fenamiphos-Sulfoxide)
Fenchlorphos (sum) (Fenchlorphos Fenchlorphos oxon)
Fensulfothion (sum) (Fensulfothion Fensulfothion-sulfone Fensulfothion-Oxon)
Fenthion (sum) (Fenthion Fenthion-Oxon Fenthion-Sulfone Fenthion-Sulfoxide Fenthion-Oxonsulfoxide Fenthion-Oxonsulfone)
Fenvalerate/Esfenvalerate (RR/SS/RS/SR) (Fenvalerate/Esfenvalerate (RR/SS) Fenvalerate/Esfenvalerate (RS/SR))
Fipronil (sum) (Fipronil Fipronil-Sulfide Fipronil-Sulfone Fipronil-Desulfinyl)
Flamprop (sum) (Flamprop-M-isopropyl Flamprop-M-Methyl)
Fonicamid (sum) (Fonicamid Fonicamid-Metabolite TFNG TFNA)
Fluazifop-P-butyl (sum) (Fluazifop Fluazifop-Butyl and Fluazifop-p-Butyl)
Haloxifop (sum) (Haloxifop Haloxifop-2-ethoxyethyl Haloxifop-Methyl)
Heptachlor and heptachlor epoxide (Heptachlor Heptachlorepoxid cis Heptachlorepoxid trans)
Hexachlorocyclohexane (HCH) (sum) (HCH-alpha HCH-beta HCH-delta HCH-epsilon)
Malathion and Malaaxon (sum) (Malaaxon Malathion)
Mepanipyrim (sum) (Mepanipyrim Mepanipyrim, Hydroxypropyl-)
Metalaxyl and metalaxyl-M (sum) (Metalaxyl and metalaxyl-M Metalaxyl Metabolite CGA 108906, CGA 62826)
Methiocarb (sum) (Methiocarb Methiocarb-sulfon Methiocarb-sulfoxide)
Methomyl and Thiodicarb (sum) (Methomyl Thiodicarb)
Oxydemeton-Methyl (sum) (Demeton-O Demeton-s-Ethyl Demeton-S-Methyl Demeton-S-Methyl-sulfon Oxydemeton-Methyl)
Parathion-Methyl Paraoxon-Methyl (sum) (Paraoxon-Methyl Parathion-Methyl)
Phorate (sum) (Phorate Phorate-sulfone Phorate-Oxon Phorate-Oxonsulfone Phorate-Oxonsulfoxide)
Phosmet (sum) (Phosmet Phosmet oxon)
Pirimicarb (sum) (Pirimicarb Pirimicarb, Desmethyl- Pirimicarb, Desmethylformamido-)
Prochloraz (sum) (Prochloraz Prochloraz metabolite BTS40348, BTS44595, BTS44596 Trichlorophenol, 2,4,6-)
Propachlor (sum) (Propachlor Propachlor oxalamic acid)
Propoxycarbazone (sum) (2-hydroxy-propoxycarbazone Propoxycarbazone)
Pyraflufen-Ethyl (sum) (Pyraflufen Pyraflufen-Ethyl)
Pyrethrin (sum) (P. Cinerin I, P. Cinerin II, P. Jasmolin I, P. Jasmolin II, Pyrethrins Pyrethrin I, Pyrethrins Pyrethrin II)
Pyridate (sum) (Pyridate Pyridate-metabolit)
Quintozene (sum) (Pentachloro-aniline Quintozene)
Quisalofop, incl. Quisalofop-p (sum) (Quisalofop-Ethyl Quisalofop)
Spinosad (Spinosyn A Spinosyn D)


	TECHNICAL SPECIFICATIONS	Código	SF-CCAL-ET-01
	GMP+ ASSURED ACID OIL	Fecha	05/05/2022
		Revisión	11
		Sector	Control de Calidad
		Página	9 de 10

Terbufos (sum) (Terbufos Terbufos-Sulfone Terbufos-Sulfoxide)
Thiabendazole (sum) (Thiabendazole Thiabendazole, 5-Hydroxy-)
Thiofanox (sum) (Thiofanox, Thiofanocarb Thiofanox-Sulfone Thiofanox-Sulfoxide)
Tolyfluanid (sum) (DMST Tolyfluanid DMS)
Triadimefon and triadimenol (sum) (Triadimefon Triadimenol)
Triflumizole (sum) (Triflumizole Triflumizole-amino)

Pesticide Package 2: Multiresidue method GC-MS/MS, LC-MS/MS positive mode (in accordance with EN 15662).



Pesticide (CAS)
1,2,3,4-Tetrachlorobenzene (634-66-2)
1,2,4,5-Tetrachlorobenzene (95-94-3)
1,4-Dimethylnaphthalene (571-58-4)
2,6-Diisopropyl naphthalene (24157-81-1)
Anthraquinone (84-65-1)
Aramite (140-57-8)
Beflubutamid (113614-08-7)
Benfuresate (68505-69-1)
Benthiavalicarb-Isopropyl (177406-68-7)
Benthiazole (21564-17-0)
Benzoximate (29104-30-1)
Bifenazate (149877-41-8)
Biphenyl (92-52-4)
Butylate (2008-41-5)
Captafol (2425-06-1)
Carpropamid (104030-54-8)
Chloramben-Methyl ester (7286-84-2)
Chlormequat (7003-89-6)
Chlorthiamid (1918-13-4)
Cinmethylin (87818-31-3)
Cloquintocet-Mexyl (99607-70-2)
Cycloate (1134-23-2)
Dichlorobenzamide, 2,6- (2008-58-4)
Diclobutrazol (75736-33-3)
Diclocymet (139920-32-4)
Diethyltoluamid (DEET) (134-62-3)
Dimethylvinphos (Z type) (67628-93-7)
Diphenamid (957-51-7)
DMSA (4710-17-2)
Dodemorph (1593-77-7)
EPTC (759-94-4)
Ethoxyquin (91-53-2)
Fenfuram (24691-80-3)
Fluacrypyrim (229977-93-9)
Flumioxazin (103361-09-7)
Fluoroglycofene (77501-60-1)
Fluoroglycofene-Ethyl (77501-90-7)
Fluoxastrobin (361377-29-9)
Flutolanil (66332-96-5)
Fosthiazate (98886-44-3)
Furalaxyl (57646-30-7)
Furametpyr (123572-88-3)
Hexachlorobutadiene (87-68-3)
Imibenconazole (86598-92-7)
Indaziflam (950782-86-2)
Isoxathion (18854-01-8)
MCPA Methyl ester (2436-73-9)
MCPA, 2-Ethylhexyl- (29450-45-1)
MCPA, Butyl- (19480-43-4)
Mefenacet (73250-68-7)
Mefenpyr-diethyl (135590-91-9)

Mepiquat (15302-91-7)
Mepronil (55814-41-0)
Methoprene (40596-69-8)
Methyl-pentachlorophenylsulfide (Pentachlorothioanisole) (1825-19-0)
Musk keton (81-14-1)
Naphthalene acetamide (86-86-2)
Naphtol-1 (90-15-3)
Nonachlor (Trans) (39765-80-5)
Nonachlor, cis- (5103-73-1)
Oryzalin (19044-88-3)
Oxadiargyl (39807-15-3)
PCB 101 (37680-73-2)
PCB 118 (31508-00-6)
PCB 138 (35065-28-2)
PCB 153 (35065-27-1)
PCB 180 (35065-29-3)
PCB 209 (2051-24-3)
PCB 28 (7012-37-5)
PCB 52 (35693-99-3)
Pentachlorobenzene (608-93-5)
Phtalide (87-41-2)
Propaphos (7292-16-2)
Pyributicarb (88678-67-5)
Silthiofam (175217-20-6)
Tebutam (35256-85-0)
Terbumeton (33693-04-8)
Terbumeton-Desethyl (30125-64-5)
Tolfenpyrad (129558-76-5)
Tricyclazole (41814-78-2)
Trifentyltin (Fentin) (668-34-8)

	TECHNICAL SPECIFICATIONS	Código	SF-CCAL-ET-02
	GMP+ ASSURED ACID OIL SPECIFICATION	Fecha	04/11/21
		Revisión	xx
		Sector	Control de Calidad
		Página	10 de 10

Pesticide Package 2: SUM Pesticides multiresidue method GC-MS/MS, LC-MS/MS positive mode (in accordance with EN 15662).

Pesticide (sum parameters)
Fluoroglycofene (Fluoroglycofene-Ethyl Fluoroglycofene)
Nonachlor (sum) (Nonachlor (Trans))
PCB (sum) (PCB 28 PCB 52 PCB 101 PCB 118 PCB 138 PCB 153 PCB 180 PCB 209)
Terbumeton (sum) (Terbumeton Terbumeton-Desethyl)

	Nombre	Cargo	Firma
Autor	S. JÄGER	Jefe de Calidad	
Revisor	N. ANDRUSKO	Coordinador de Sistema	
Aprobador	J. GLARDON	Gerente Comercial	