



Batch code: EUINBA-00211735
Report code: AR-25-IR-017035-01
Report date: 31.01.2025

TL-1097

EVEXIA VENTURES PRIVATE LIMITED - Mumbai
PLOT NO.93, NAMO INDUSTRIES, STATION ROAD,
AHMEDNAGAR
414001Mumbai.
Maharashtra, INDIA



Scan to authenticate this report

Pranali Londhe

ANALYTICAL REPORT

Sample code:	258-2025-01010284	Report code:	AR-25-IR-017035-01
Sample name:	Organic Mustard Oil	Received on:	22.01.2025
		Analysed between:	22.01.2025 - 28.01.2025
Sample reference	Customer Provided Details		
	Batch No:OT28BM1024		
	DOM:17/12/24		
	DOE:16/06/26		
Quantity received:	1 litre		
Sample packing:	Sealed Polythene Pack	Condition on receipt:	Good
Sampling:	NOT SAMPLED BY EUROFINS		

CHEMICAL	Method	Result	LOQ	FSSAI limit	Unit
IR242 IR Added Sugar	AOAC 945.66	<0.5	0.5	-	g/100 g
IR064 IR Total Ash	AOAC 941.12	<0.1	0.1	-	g/100 g
IR117 IR Cholesterol	AOAC 994.10	<1	1	-	mg/100 g
IR215 IR Energy	EASI-CHE-SOP-123	899.39	30	-	kcal/100 g
IR051 IR Moisture	AOAC 935.29	<0.1	0.1	-	g/100 g
IR087 IR Nitrogen to Protein Conversion Factor	IS 7219	6.25		-	
IR087 IR Protein	IS 7219	<0.1	0.1	-	g/100 g
IR062 IR Total carbohydrates	AOAC 986.25	<0.5	0.5	-	g/100 g
IR076 IR Total Fat	AOAC 920.39	99.91	0.1	-	g/100 g
IR11T IR Total Sugar	AOAC 982.14	<0.5	0.5	-	g/100 g

MINERALS	Method	Result	LOQ	FSSAI limit	Unit
IR1ZY IR Sodium (Na)	EASI-CHE-SOP-44	<1.0	1	-	mg/100 g

FATTY ACIDS PROFILE	Method	Result	LOQ	FSSAI limit	Unit
IR113 IR Saturated fatty acids (%total)	EASI-CHE-SOP-166	5.89	0.1	-	g/100 g
IR116 IR Total trans-fatty acids (%total)	EASI-CHE-SOP-166	<0.10	0.1	-	g/100 g

FATTY ACID COMPOSITION	Method	Result	LOQ	FSSAI limit	Unit
IR128 IR Fatty acid profile	Method: EASI-CHE-SOP-166				
C 10:0 (Capric acid)		<0.10	0.1	ND	g/100 g

The results may not be reproduced except in full, without a written approval of the laboratory. The results relate only to the sample analysed.



Batch code: EUINBA-00211735

Report code: AR-25-IR-017035-01

TL-1097

FATTY ACID COMPOSITION

	<i>Result</i>	<i>LOQ</i>	<i>FSSAI limit</i>	<i>Unit</i>
IR128 IR Fatty acid profile Method: EASI-CHE-SOP-166				
C 11:0 (Undecanoic acid)	<0.10	0.1	-	g/100 g
C 12:0 (Lauric acid)	<0.10	0.1	ND	g/100 g
C 13:0 (Tridecanoic acid)	<0.10	0.1	-	g/100 g
C 14:0 (Myristic acid)	<0.10	0.1	ND-1.0	g/100 g
C 14:1 (Myristoleic acid)	<0.10	0.1	-	g/100 g
C 15:0 (Pentadecanoic acid)	<0.10	0.1	-	g/100 g
C 15:1 (Pentadecenoic acid) + Isomers	<0.10	0.1	-	g/100 g
C 16:0 (Palmitic acid)	2.39	0.1	0.5-5.0	g/100 g
C 16:1 (Palmitoleic acid)	<0.10	0.1	ND-0.5	g/100 g
C 17:0 (Margaric acid)	<0.10	0.1	ND	g/100 g
C 17:1 (Margaroleic)	<0.10	0.1	ND	g/100 g
C 18:0 (Stearic acid)	1.00	0.1	0.5-2.0	g/100 g
C 18:1 (Oleic acid)	10.48	0.1	8.0-23.0	g/100 g
C 18:1n9t Elaidic acid	<0.10	0.1	-	g/100 g
C 18:2 (Linoleic acid)	16.99	0.1	10.0-24.0	g/100 g
C 18:2t (Linolelaidic Acid)	<0.10	0.1	-	g/100 g
C 18:3 n3 (alpha-Linolenic acid)	9.60	0.1	6.0-18.0	g/100 g
C 18:3n6 gamma-Linolenic acid	<0.10	0.1	-	g/100 g
C 20:0 (Arachidic acid)	1.00	0.1	ND-1.5	g/100 g
C 20:1 (Eicosenoic acid)	6.74	0.1	5.0-13.0	g/100 g
C 20:2 (Eicosadienoic acid)	0.77	0.1	ND-1.0	g/100 g
C 20:3 (Eicosatrienoic acid)	<0.10	0.1	-	g/100 g
C 20:3n6 homo-gamma-Linolenic	<0.10	0.1	-	g/100 g
C 20:4n6 (Arachidonic Acid)	<0.10	0.1	-	g/100 g
C 20:5 (Eicosapentaenoic acid)	<0.10	0.1	-	g/100 g
C 21:0 (Heneicosanoic acid)	<0.10	0.1	-	g/100 g
C 22:0 (Behenic acid)	0.93	0.1	0.2-2.5	g/100 g
C 22:1 (Erucic acid)	45.77	0.1	-	g/100 g
C 22:2 (Docosadienoic acid)	1.52	0.1	ND-1.0	g/100 g
C 22:6 (Docosahexaenoic acid)	<0.10	0.1	-	g/100 g
C 23:0 (Tricosanoic acid)	<0.10	0.1	-	g/100 g
C 24:0 (Lignoceric acid)	0.57	0.1	ND-0.8	g/100 g
C 24:1 (Nervonic acid)	2.15	0.1	0.5-2.5	g/100 g
C 4:0 (Butyric acid)	<0.10	0.1	-	g/100 g
C 6:0 (Caproic acid)	<0.10	0.1	ND	g/100 g
C 8:0 (Caprylic acid)	<0.10	0.1	ND	g/100 g

DITHIOCARBAMATES as CS2
Result LOQ
FSSAI limit
Unit
IR682 IR Dithiocarbamates as CS2 Method: EASI-CHE-SOP-62

The results may not be reproduced except in full, without a written approval of the laboratory. The results relate only to the sample analysed.



Batch code: EUINBA-00211735

Report code: AR-25-IR-017035-01

TL-1097

DITHIOCARBAMATES as CS2

			<i>Result</i>	<i>LOQ</i>	<i>FSSAI limit</i>	<i>Unit</i>
IR682	IR	Dithiocarbamates as CS2	Method: EASI-CHE-SOP-62			
Mancozeb			0.579	0.01	-	mg/kg
Maneb			0.579	0.01	-	mg/kg
Metiram			0.579	0.01	-	mg/kg
Propineb			0.579	0.01	-	mg/kg
Thiram			0.579	0.01	-	mg/kg
Zineb			0.579	0.01	-	mg/kg
Ziram			0.579	0.01	-	mg/kg

PESTICIDES

		<i>Method</i>	<i>Result</i>	<i>LOQ</i>	<i>FSSAI limit</i>	<i>Unit</i>
IR122	IR	Glufosinate-ammonium	EASI-CHE-SOP-61	<0.01	0.01	mg/kg
IR0ZH	IR	Glyphosate	EASI-CHE-SOP-61	<0.01	0.01	mg/kg
IR31K	IR	Cartap	EASI-CHE-SOP-21	<0.01	0.01	mg/kg
IR2AJ	IR	Fluchloralin	EASI-CHE-SOP-21	<0.01	0.01	mg/kg
IR34L	IR	Hydrogen cyanamide	EASI-CHE-SOP-66	<1.0	1	mg/kg
IR2H0	IR	Triacantanol	EASI-CHE-SOP-21	<0.01	0.01	mg/kg
IR0Z9	IR	Copper Hydroxide (as Cu)	EASI-CHE-SOP-44	<0.1	0.1	Max.30 mg/kg
IR0QZ	IR	Copper Oxide (as Cu)	EASI-CHE-SOP-44	<0.1	0.1	Max.30 mg/kg
IR257	IR	Copper oxychloride (as Cu)	EASI-CHE-SOP-44	<0.1	0.1	Max.30 mg/kg
IR0R0	IR	Copper Sulphate (as Cu)	EASI-CHE-SOP-44	<0.1	0.1	Max.30 mg/kg
IR22A	IR	Screened pesticides	EASI-CHE-SOP-21	Not Detected		
IR22B	IR	Screened pesticides	EASI-CHE-SOP-21	Not Detected		

Sample Conclusion:

The results of the above mentioned analyses are in accordance with the requirements of FSSAI (Food Safety and Standards Authority of India) Regulation.

Note:
Max. = Maximum
'-' = MRL's not specified

List of screened molecules and not detected
IR22A IR Pesticides GC-MS/MS (FSSAI) (LOQ mg/kg)

1,2,3,6-Tetrahydrophthalimide (0.01)	Aldrin/ Dieldrin (Sum) (0.01)	Bifenthrin (0.01)	Captafol (0.01)	Captan (0.01)
Captan (sum of captan/THPI, expressed as captan) (0.01)	Chlordane (total) (0.01)	Chlordane, cis- (0.01)	Chlordane, trans- (0.01)	Chlorfenapyr (0.01)
Chlorothalonil (0.01)	Chlorpropham (0.01)	Chlorpyrifos (-ethyl) (0.01)	Cyfluthrin (0.01)	Cyhalofop-butyl (0.01)
Cyhalothrin lambda- (0.01)	Cypermethrin (sum of isomers) (0.01)	DDD-p,p' (0.01)	DDT (0.01)	DDT (sum of p,p-DDT, o,p-DDT, p,p-DDE, p,p-TDE) (0.01)
DDT, o,p'- (0.01)	Deltamethrin (0.01)	Dichlorobenzophenone, p,p- (0.01)	Dichlorvos (0.01)	Diclofop (0.01)

The results may not be reproduced except in full, without a written approval of the laboratory. The results relate only to the sample analysed.


Batch code: EUINBA-00211735

Report code: AR-25-IR-017035-01

TL-1097

IR22A IR Pesticides GC-MS/MS (FSSAI) (LOQ mg/kg)

Diclofop-methyl (0.01)	Diclofop-p-ethyl (0.01)	Dicofol (sum) (0.01)	Dicofol, o,p'- (0.01)	Dicofol, p,p'- (0.01)
Endosulfan (alpha+beta+sulfate) (0.01)	Endosulfan sulphate (0.01)	Endosulfan, alpha- (0.01)	Endosulfan, beta- (0.01)	Etofenprox (0.01)
Fenitrothion (0.01)	Fenpropathrin (0.01)	Fenvalerate (all isomers including Esfenvalerate) (0.01)	Fipronil-sulfone (0.005)	Fluvalinate (sum of isomers) (0.01)
Formothion (0.01)	HCH, alpha- (0.01)	HCH, alpha- (0.01)	HCH, beta- (0.01)	HCH, delta- (0.01)
HCH-gamma (lindane) (0.01)	HCH-gamma (lindane) (0.01)	Heptachlor (0.01)	Heptachlor (sum) (0.01)	Heptachlor epoxide, cis- (0.01)
Heptachlor epoxide, trans- (0.01)	Iprodione (0.01)	Mefenoxam (Metalaxyl-M) (0.01)	o,p'-DDE (0.01)	Oxyfluorfen (0.01)
P,p'-DDT (0.01)	Paclbutrazol (0.01)	Parathion (0.01)	Parathion-ethyl (0.01)	Parathion-methyl (0.01)
Parathion-methyl/Paraoxon-methyl (sum) (0.01)	Permethrin (sum of isomers) (0.01)	Propaquizafop (0.01)	Pyrethrins (0.01)	Quizalofop (Sum) (0.01)
Quizalofop ethyl (0.01)	Quizalofop-P-tefuryl (0.01)	Spiromesifen (0.01)	Sum of diclofop-methyl, diclofop acid and its salt (0.01)	Tetraconazole (0.01)
Triaccontanol (0.01)	Trifluralin (0.01)			

IR22B IR Pesticides LC-MS/MS (FSSAI) (LOQ mg/kg)

1-Naphthylacetic acid (0.01)	2,4-D (0.01)	3-Hydroxycarbofuran (0.01)	Abamectin (Sum) (0.01)	Acephate (0.01)
Acetamidrid (0.01)	Alachlor (0.01)	Aldicarb (0.01)	Aldicarb (sum of aldicarb and its oxygen analogues) (0.01)	Aldicarb sulfone (0.01)
Aldicarb-sulfoxide (0.01)	Ametoctradin (0.01)	Ametryn (0.01)	Anilofos (0.01)	Atrazine (0.01)
Azimsulfuron (0.01)	Azoxystrobin (0.01)	Benfuracarb (0.01)	Benomyl (0.01)	Bensulfuron methyl (0.01)
Bentazone (0.01)	Bentazone (Sum of bentazone, its salts, 6-hydroxy (0.01)	Bentazone-6-hydroxy (0.01)	Bentazone-8-hydroxy (0.01)	Bispyribac Sodium (0.01)
Bitertanol (0.01)	Boscalid (0.01)	Buprofezin (0.01)	Butachlor (0.01)	Carbaryl (0.01)
Carbendazim (0.01)	Carbendazim/Benomyl (sum) (0.01)	Carbofuran (0.01)	Carbofuran (carbofuran (all carbofurans produced) (0.01)	Carbosulfan (0.01)
Carfentrazone-ethyl (0.01)	Carpropamid (0.01)	Cartap (0.01)	Chlorantraniliprole (0.01)	Chlorfluazuron (0.01)
Chlorimuron-Ethyl (0.01)	Chlormequat (0.01)	Chromafenozide (0.01)	CINMETHYLIN (0.01)	Clodinafop-propargyl (0.01)
Clomazone (0.01)	Clothianidin (0.01)	Cyantraniliprole (0.01)	Cyazofamid (0.01)	Cyflumetofen (0.01)
Cymoxanil (0.01)	Demeton-S-methyl-sulfone (0.01)	Diafenthuiuron (0.01)	Diazinon (0.01)	DICLOSULAM (0.01)
Difenoconazole (0.01)	Diflubenzuron (0.01)	Dimethoate (0.01)	Dimethomorph (sum of isomers) (0.01)	Dinocap (sum of dinocap isomers and their correspo) (0.01)
Dinotefuran (0.01)	Dithianon (0.01)	Diuron (0.01)	Dodine (0.01)	Edifenphos (0.01)
Emamectin, benzoate- (0.01)	Ethephon (0.01)	Ethion (0.01)	Ethoxysulfuron (0.01)	Etofenprox (0.01)
Etoxazole (0.01)	Famoxadone (0.01)	Fenamidone (0.01)	Fenarimol (0.01)	Fenazaquin (0.01)
Fenobucarb (0.01)	Fenoxaprop-p-ethyl (0.01)	Fenpyroximate (0.01)	Fenthion (0.01)	Fenthion (sum) (0.01)
Fenthion-oxon (0.01)	Fenthion-oxon-sulfone (0.01)	Fenthion-oxon-sulfoxide (0.01)	Fenthion-sulfone (0.01)	Fenthion-sulfoxide (0.01)
Fipronil (0.005)	Fipronil (sum) (0.005)	Fipronil-sulfone (0.005)	Flonicamid (0.01)	Flonicamid (sum of flonicamid, TFNA and TFNG expre) (0.01)
Fluazifop-P-butyl (0.01)	Flubendiamide (0.01)	Flucetosulfuron (0.01)	Flufenacet (0.01)	Fluopicolide (0.01)
Fluopyram (0.01)	Flupyradifurone (0.01)	Flusilazole (0.01)	Fluxapyroxad (0.01)	Fomesafen (0.01)
Forchlorfenuron (0.01)	Fosetyl aluminium - Suspensibility (*) (0.01)	Fosetyl-Al (sum of fosetyl, phosphonic acid and th) (0.01)	Furathiocarb (0.01)	Halosulfuron-methyl (0.01)
Haloxypop (0.01)	Hexaconazole (0.01)	Hexazinone (0.01)	Hexythiazox (any ratio of constituent isomers) (0.01)	Imazamox (0.01)
Imazethapyr (0.01)	Imidacloprid (0.01)	Indoxacarb (sum, R+S isomers) (0.01)	Iodosulfuron methyl (0.01)	Iodosulfuron methyl (0.01)
Iprobenfos (0.01)	Isoprothiolane (0.01)	Isoproturon (0.01)	Kasugamycin (0.01)	Kresoxim-methyl (0.01)
Linuron (0.01)	Lufenuron (0.01)	Malaoxon (0.01)	Malathion (0.01)	Mandipropamid (any ratio of constituent isomers) (0.01)
MCPA (0.01)	MCPA ethyl ester (0.01)	MCPA/MCPB (sum) (0.01)	Mepiquat (0.01)	Mesosulfuron-methyl (0.01)
Metaflumizone (sum of E- and Z- isomers) (0.01)	Metalaxyl and metalaxyl-M (metalaxyl including oth) (0.01)	Methabenzthiazuron (0.01)	Methomyl (0.01)	Metolachlor and S-metolachlor (0.01)
Metrafenone (0.01)	Metribuzin (0.01)	Metsulfuron-methyl (0.01)	Milbemectin (sum) (0.01)	Milbemectin A3 (0.01)
Milbemectin A4 (0.01)	Monocrotophos (0.01)	Myclobutanil (sum of constituent isomers) (0.01)	Novaluron (0.01)	Orthosulfamuron (0.01)
Oxadiazyl (0.01)	Oxadiazon (0.01)	Oxydemeton-methyl (Demeton S methyl sulfoxide) (0.01)	Paraquat Dichloride (0.01)	Penconazole (sum of constituent isomers) (0.01)
Pencycuron (0.01)	Pendimethalin (0.01)	Penoxsulam (0.01)	Phenthoate (0.01)	Phorate (0.01)

The results may not be reproduced except in full, without a written approval of the laboratory. The results relate only to the sample analysed.



Batch code: EUINBA-00211735

Report code: AR-25-IR-017035-01

TL-1097

IR22B IR Pesticides LC-MS/MS (FSSAI) (LOQ mg/kg)

Phorate (sum of phorate and its oxygen analogues ((0.01)	Phorate (sum) (0.01)	Phorate-sulfoxide (0.01)	Phosalone (0.01)	Phosphamidon (0.01)
Phosphonic acid (0.01)	Picoxystrobin (0.01)	Pinoxaden (0.01)	Pirimiphos-methyl (0.01)	Pretilachlor (0.01)
Profenofos (0.01)	Prohexadione Calcium (0.01)	Propanil (0.01)	Propaquizafop (0.01)	Propargite (0.01)
Propiconazole (0.01)	Pymetrozine (0.01)	Pyraclostrobin (0.01)	PYRAZOSULFURON-ETHYL (0.01)	Pyridalyl (0.01)
Pyriproxyfen (0.01)	Pyriothiobac-sodium (0.01)	Quinalphos (0.01)	Quizalofop (Sum) (0.01)	Quizalofop ethyl (0.01)
Quizalofop-P-tefuryl (0.01)	Simazine (0.01)	Sodium nitrophenolate (0.01)	Spinetoram (sum) (0.01)	Spinetoram J (0.01)
Spinetoram L (0.01)	Spinosad (sum) (0.01)	Spinosyn A (0.01)	Spinosyn D (0.01)	Spirotetramat (0.01)
Spirotetramat and spirotetramat-enol (sum of), exp (0.01)	Spirotetramat-enol (0.01)	Spirotetramat-enolglucoside (0.01)	Spirotetramat-ketohydroxy (0.01)	Spirotetramat-monohydroxy (0.01)
Sulfentrazone (0.01)	Sulfosulfuron (0.01)	Sulfoxaflor (0.01)	Tebuconazole (0.01)	Tembotrione (0.01)
TFNA (0.01)	TFNG (0.01)	Thiacloprid (0.01)	Thiamethoxam (0.01)	Thifluzamide (0.01)
Thiocyclam (0.01)	Thiodicarb (0.01)	Thiometon (0.01)	Thiometon expressed as the Sum of thiometon, thiom (0.01)	Thiometon-sulfone (0.01)
Thiometon-sulfoxide (0.01)	Thiophanate-methyl (0.01)	Tolfenpyrad (0.01)	TOPRAMEZONE (0.01)	Triadimefon (0.01)
Triallate (0.01)	Triasulfuron (0.01)	Triazophos (0.01)	Trichlorfon (0.01)	Tricyclazole (0.01)
Tridemorph (0.01)	Trifloxystrobin (0.01)	Validamycine (0.01)		

The tests identified by the two letters code IR are performed by Eurofins Analytical Services India (Bangalore), INDIA.



Dr Shalini Sharma

Sr. Manager - General Chemistry

LOQ = Limit of Quantification



Mr Nagabhushana H P

Deputy Manager -Residue Lab

***** END OF REPORT *****

The results may not be reproduced except in full, without a written approval of the laboratory. The results relate only to the sample analysed.