





Lab Ref. No.:

L070943-A/

Issued to:

Ahir Nitin

GIRORGANIC

132, Poonam Farm, near Vidyamangal School, Navi Pardi, Taluka- Kamrej, Surat- 394150

E-mail:

dr.ravi@aau.in

ULR No.: TC638121000007019F

Report number:

CALF-075545

Sample receipt date:

21 Oct 2021

Report date:

08 Nov 2021

Booking ID:

BID-028002

Customer request number:

Date:21.10.2021

Date of completion of test:

03 Nov 2021

Sample Information:

1. Name of sample:

Oil

7. Conditions of sample:

8. Additional information:

Properly Sealed

NA

2. Customer sample code:

NA

NA

3. Batch number:4. Manufacturing date:

NA

5. Expiry:

NA

6. Additional remarks:

Groundnut Oil

Test Results

1 Chemical

1.1	Food & Agricultural products (except Human Milk)								
Sr. No	Parameters			Results	Specification Fatty acid Profile	Limit of quantification	Test Method		
1	Moisture & insoluble impurities	%	As Such Basis	Below limit of quantification	NA	0.1	Method-3.0, Manual for analysis of Oils and Fats, FSSAI-2016		

V.No: M

End of test report

Authorized Signatory (Chemical)

हृदय दर्जी / Hriday Darji





Lab Ref. No.: L070943-B/

Issued to: Ahir Nitin

GIRORGANIC

132, Poonam Farm, near Vidyamangal School, Navi Pardi, Taluka- Kamrej, Surat- 394150

E-mail: dr.ravi@aau.in

Report number: CALF-075545

LF-075545 Sample receipt date: 21 Oct 2021

 Report date:
 08 Nov 2021
 Booking ID:
 BID-028002

 Customer request number:
 Date:21.10.2021
 Date of completion of test:
 03 Nov 2021

Sample Information:

1 Chemical

1. Name of sample: Oil 7. Conditions of sample: Properly Sealed

2. Customer sample code: NA 8. Additional information: NA

3. Batch number: NA

4. Manufacturing date: NA

5. Expiry: NA

6. Additional remarks: Groundnut Oil

Test Results

1.1 Food & Agricultural products (except Human Milk) Specification Sr. **Parameters** Results Limit of Test No Fatty acid quantification Method Profile Butyric acid % As Such Below limit of 0.050 AOAC 996.06 21st Edn. (C4:0)quantification Basis 2019 by GC FID Below limit of Caproic acid % As Such 0.050 AOAC 996.06 21st Edn. (C6:0)Basis quantification 2019 by GC FID 3 % As Such Below limit of Caprylic acid 0.050 AOAC 996.06 21st Edn. (C8:0)quantification Basis 2019 by GC FID % Capric acid As Such Below limit of 0.050 AOAC 996.06 21st Edn. (C10:0)Basis quantification

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							2019 by GC FID
	5	Undecanoic acid (C11:0)	' %	As Such Basis	Below limit of quantification	0.050	AOAC 996.06 21st Edn. 2019 by GC FID
	6	Lauric acid (C12:0)	%	As Such Basis	Below limit of quantification	0.050	AOAC 996.06 21st Edn. 2019 by GC FID
	7	Tridecanoic acid (C13:0)	%	As Such Basis	Below limit of quantification	0.050	AOAC 996.06 21st Edn. 2019 by GC FID
	8	Myristic acid (C14:0)	%	As Such Basis	Below limit of quantification	0.050	AOAC 996.06 21st Edn. 2019 by GC FID
	9	Myristoleic acid (C14:1)	%	As Such Basis	Below limit of quantification	0.050	AOAC 996.06 21st Edn. 2019 by GC FID
7.	10	Pentadecanoic acid (C15:0)	%	As Such Basis	Below limit of quantification	0.050	AOAC 996.06 21st Edn. 2019 by GC FID
STI .	11	Cis-10- Pentadecenoic acid (C15:1)	' %	As Such Basis	Below limit of quantification	0.050	AOAC 996.06 21st Edn. 2019 by GC FID
300	12	Palmitic acid (C16:0)	' %	As Such Basis	10.176	0.050	AOAC 996.06 21st Edn. 2019 by GC FID
S	13	Palmitoleic acid (C16:1)	' %	As Such Basis	0.109	0.050	AOAC 996.06 21st Edn. 2019 by GC FID
•	14	Heptadecanoic acid(C17:0)	%	As Such Basis	0.059	0.050	AOAC 996.06 21st Edn. 2019 by GC FID
t	15	Cis-10- Heptadecenoic acid (C17:1)	%	As Such Basis	Below limit of quantification	0.050	AOAC 996.06 21st Edn. 2019 by GC FID
	16	Stearic acid (C18:0)	%	As Such Basis	3.678	0.050	AOAC 996.06 21st Edn. 2019 by GC FID
	17	Elaidic acid (C18:1n9t)	' %	As Such Basis	Below limit of quantification	0.050	AOAC 996.06 21st Edn. 2019 by GC FID
95	18	Oleic acid (C18:1n9c)	' %	As Such Basis	60.418	0.050	AOAC 996.06 21st Edn. 2019 by GC FID
68	19	Linolelaidic acid (C18:2n6t)	%	As Such Basis	Below limit of quantification	0.050	AOAC 996.06 21st Edn.

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(विश्लेषणात्मक एवं अनुसंधान प्रयोगशाला/ Analytical & Research Laboratory)



विश्लेषणात्मक रिपोर्ट Analytical Report

						2019 by GC FID
20	Linoleic acid (C18:2n6c)	' %	As Such Basis	19.557	0.050	AOAC 996.06 21st Edn. 2019 by GC FID
21	Arachidic acid (C20:0)	%	As Such Basis	Below limit of quantification	0.050	AOAC 996.06 21st Edn. 2019 by GC FID
22	r-Linolenic acid (C18:3n6)	' %	As Such Basis	1.473	0.050	AOAC 996.06 21st Edn. 2019 by GC FID
23	Cis-11- Eicosenoic acid (C20:1)	' %	As Such Basis	0.062	0.050	AOAC 996.06 21st Edn. 2019 by GC FID
24	Linolenic acid (C18:3n3)	%	As Such Basis	0.938	0.050	AOAC 996.06 21st Edn. 2019 by GC FID
25	Heneicosanoic acid (C21:0)	%	As Such Basis	Below limit of quantification	0.050	AOAC 996.06 21st Edn. 2019 by GC FID
26	Cis-11,14- Eicosadienoic acid (C20:2)	'%	As Such Basis	Below limit of quantification	0.050	AOAC 996.06 21st Edn. 2019 by GC FID
27	Behenic acid (C22:0)	' %	As Such Basis	2.285	0.050	AOAC 996.06 21st Edn. 2019 by GC FID
28	Cis-8, 11,14- Eicosatrienoic acid (C20:3n6)	%	As Such Basis	Below limit of quantification	0.050	AOAC 996.06 21st Edn. 2019 by GC FID
29	Erucic acid (C22:1n9)	%	As Such Basis	0.051	0.050	AOAC 996.06 21st Edn. 2019 by GC FID
30	cis-11,14, 17- Eicosatrienoic acid (C20:3n3)	' %	As Such Basis	Below limit of quantification	0.050	AOAC 996.06 21st Edn. 2019 by GC FID
31	Arachidonic acid (C20:4n6)	%	As Such Basis	Below limit of quantification	0.050	AOAC 996.06 21st Edn. 2019 by GC FID
32	Tricosanoic acid (C23:0)	%	As Such Basis	Below limit of quantification	0.050	AOAC 996.06 21st Edn. 2019 by GC FID
33	Cis-13,16- Docosadienoic acid (C22:2)	%	As Such Basis	Below limit of quantification	0.050	AOAC 996.06 21st Edn. 2019 by GC FID
34	Lignoceric acid (C24:0)	%	As Such Basis	1.031	0.050	AOAC 996.06 21st Edn.

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								2019 by GC FID
*	35	Cis- 5,8,11,14,17- Eicosapentaenoic acid (C20:5n3)	%	As Such Basis	Below limit of quantification	T	0.050	AOAC 996.06 21st Edn. 2019 by GC FID
*	36	Nervonic acid (C24:1)	' %	As Such Basis	Below limit of quantification	1	0.050	AOAC 996.06 21st Edn. 2019 by GC FID
*	37	cis- 4,7,10,13,16,19- Docosahexaenoic acid (C22:6n3)	%	As Such Basis	Below limit of quantification	j	0.050	AOAC 996.06 21st Edn. 2019 by GC FID
*	38	Total carbohydrate	%	As Such Basis	Below limit of quantification	NA	1.000	By Difference
*	39	Protein	per gm	As Such Basis	Below limit of quantification	NA	1.000	AOAC 991.20 21st Edn. 2019
*	40	Fat	%	As Such Basis	> 99.5		=	Clause 4 of IS 3509:1966 RA:2018
*	41	Total Ash	' %	As Such Basis	Below limit of quantification	NA	0.500	Annex B of IS 14433:2007
t	42	Trans Fat	%	As Such Basis	Below limit of quantification	NA	0.050	AOAC 996.06 19th Edn. 2019 by GC FID
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Analyst Remark

"Results of different individual or category of fatty acids are calculated based upon peak area of individual fatty acids and combining them respectively. FAME mixture of 37 fatty acids is used for identification."

Remarks:

The tests marked with an * are not accredited by NABL.

V.No: M

End of test report

हदय दर्जी / Hriday Darji

Authorized Signatory (Chemical)

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