

## Test Report (FINAL)


Document QF : 2501

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<b>Issued To</b> RS Otifas Private Limited Plot No. 1511, First Floor, JLPL Industrial Park, Sector-82, Mohali-160062 Delhi	<b>Sample Reg. No.</b> :F01-1801160714 <b>Sample Reg. Date</b> :16-01-2018 <b>Report Date</b> :24-01-2018 <b>Report No</b> :ICF-1801241187 <b>Customer Ref. No.:</b> Letter <b>Letter Dated</b> :15-01-2018
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Test Report as per IS:N/A	With Amendment No.(s):N/A
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### PART A : PARTICULARS OF SAMPLE SUBMITTED

a)	Nature of Sample	Processed Ghee (Elixir Junior)
b)	Grade / Variety / Type / Class / Size etc.	N/A
c)	Brand Name	N/A
d)	Declared Values,if any	N/A
e)	Code No.	
f)	Batch Number	EL031701GR
g)	D.O.M	N/A
h)	Date of Expiry	N/A
i)	Sample Quantity	500 gm
j)	Batch Size	N/A
k)	Mode of Packing	Packed in a plastic bottle
l)	Date of Receipt	16-01-2018
m)	Date of Start	16-01-2018
n)	Date of Completion	24-01-2018
o)	BIS Seal (Intact/Not Intact/Unsealed)	Unsealed
p)	IO'S Signature (Signed/Unsigned)	Unsigned
q)	Any Other Information	N/A
r)	Submitted By	RS Otifas Private Limited
s)	Manufactured By	RS Otifas Private Limited
t)	Supplied By	RS Otifas Private Limited

### PART B : SUPPLIMENTARY INFORMATIONS

a	Reference to sampling procedure, whenever applicable	: N/A
b	Supporting documents for the measurement taken and results derived like graphs, tables, sketches and / or photographs as appropriate to test reports, if any	: Graph
c	Deviation from the test methods as prescribed in relevant ISS/WORK Instruments, if any	: N/A

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### PART C : TEST RESULTS

S.No.	Test Parameter	Inst. Used	Method	Requirement	Result
<b>Test Details :</b>					
1.	<b>Description</b>				
a.	Description	The material is in the form of green colour liquid.			
2.	<b>Chemical Parameters</b>				
a.	Moisture (% by mass), Max.	Chemically	FSSAI Lab manual - 2	-	0.32
b.	Colour	Organoleptic	Organoleptic	-	Green
c.	Odour	Organoleptic	Organoleptic	-	Characteristic
d.	Rancidity	Chemically	FSSAI Lab manual - 2	-	Absent
e.	Free Fatty acid as oleic acid (% by mass)	Chemically	FSSAI Lab manual - 2	-	0.86
f.	Identification	HPTLC	In house method	-	Give positive test for herbs.
g.	pH (10% solution in ethanol)	Ph Meter	--	-	5.61
h.	Thermal Stability	Chemically	In -house method	No Phase separation should be there	Complies
i.	Fat (% by mass)	Chemically	AOAC 933.05 /Gravimetric method	-	99.68
j.	Spreadibility	Chemically	FSSAI Lab manual - 2	Should Spread uniformly	Complies
3.	<b>Microbiological Tests</b>				
a.	Salmonella/25gm	Microbiological	ISO 6579-1-2017	ABSENT	Absent
b.	S.aureus, cfu/gm	Microbiological	IS 5887(P-8/SEC-1)2002	MAX.50	<10
c.	E.coli/gm	Microbiological	IS 5887(P-1):1976 RA 2013	ABSENT	Absent
d.	Total viable count, cfu/gm	Microbiological	[IS: 5402-2012]	-	<10
e.	Yeast & Mould count,cfu/gm	Microbiological	[IS: 5403-1999]	-	<10
f.	P.aeruginosa,cfu/gm	Microbiological	ISO: 13720-2010	-	<10
g.	Enterobacteriaceae,cfu/gm	Microbiological	ISO: 21528 (P-2)-2017	-	<10
4.	<b>Heavy Metals</b>				
a.	Lead (as Pb), (ppm)	ICPOES	ITC/STP/F/INST/006	MAX. 2.5	ND(DL-0.1 ppm)
b.	Arsenic (as As) (ppm)	ICPOES	ITC/STP/F/INST/006	MAX. 1.1	ND(DL-0.1 ppm)
c.	Cadmium (as Cd) (ppm)	ICPOES	ITC/STP/F/INST/006	MAX. 1.5	ND(DL-0.1 ppm)
d.	Mercury (as Hg) (ppm)	ICPOES	ITC/STP/F/INST/006	MAX. 1.0	ND(DL-0.1 ppm)
5.	<b>Other Contaminants</b>				
a.	Aflatoxin (B1,B2,G1,G2) (µg/kg)	HPLC	STP/ITC/FD-MT-01	-	BLQ (DL-0.5)
6.	<b>Pesticide Residue (mg/Kg)/(ppm)</b>				
a.	Aldrin & Dieldrin	GCMSMS	IH/Mass Screening	MAX. 0.15	BLQ
b.	DDT(and its isomers)	GCMSMS	IH/Mass Screening	MAX. 1.25	BLQ
c.	Fenitrothion	GCMSMS	IH/Mass Screening	MAX. 0.05	BLQ
d.	Chlordane	GCMSMS	IH/Mass Screening	MAX. 0.05	BLQ
e.	Heptachlor and its epoxide	GCMSMS	IH/Mass Screening	MAX. 0.15	BLQ
f.	Alpha HCH	GCMSMS	IH/Mass Screening	MAX. 0.05	BLQ

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g.	Beta HCH	GCMSMS	IH/Mass Screening	MAX. 0.02	BLQ
h.	Gamma HCH	GCMSMS	IH/Mass Screening	MAX. 0.01	BLQ
i.	Delta HCH	GCMSMS	IH/Mass Screening	MAX. 0.02	BLQ
j.	Chlorpyrifos	GCMSMS	IH/Mass Screening	MAX. 0.01	BLQ
k.	Chlorethion	GCMSMS	IH/Mass Screening	MAX. 0.2	BLQ
l.	2,4-D	GCMSMS	IH/Mass Screening	MAX. 0.05	BLQ
m.	Fenvalerate	GCMSMS	IH/Mass Screening	MAX. 0.01	BLQ
n.	Phenthoate	GCMSMS	IH/Mass Screening	MAX. 0.01	BLQ
o.	Ethion	GCMSMS	IH/Mass Screening	MAX. 0.5	BLQ
p.	Monocrotophos	GCMSMS	IH/Mass Screening	MAX. 0.02	BLQ
q.	Paraquat Dichloride	GCMSMS	IH/Mass Screening	MAX. 0.01	BLQ
r.	Trichlorfon	GCMSMS	IH/Mass Screening	MAX. 0.05	BLQ
s.	Carbendazim	GCMSMS	IH/Mass Screening	MAX. 0.10	BLQ
t.	Benomyl	GCMSMS	IH/Mass Screening	MAX. 0.10	BLQ
u.	Carbofuran	GCMSMS	IH/Mass Screening	MAX. 0.05	BLQ
v.	Cypermethrin(sum of isomers)	GCMSMS	IH/Mass Screening	MAX. 0.01	BLQ
w.	Edifenphos	GCMSMS	IH/Mass Screening	MAX. 0.01	BLQ
x.	Fenthion	GCMSMS	IH/Mass Screening	MAX. 0.05	BLQ
y.	Phorate	GCMSMS	IH/Mass Screening	MAX. 0.05	BLQ
z.	a) Phorate sulphone	GCMSMS	IH/Mass Screening	MAX.0.05	BLQ
aa.	b) Phorate sulphoxide	GCMSMS	IH/Mass Screening	MAX. 0.05	BLQ
ab.	Primiphos-methyl	GCMSMS	IH/Mass Screening	MAX. 0.05	BLQ
7.	<b>Fatty Acid Profile</b>				
a.	Saturated fat (gm)	GC-FID(Agilent)	Inhouse Method	-	66.26
b.	Trans Fat (gm)	GC-FID(Agilent)	Inhouse Method	-	0.35
c.	Poly Unsaturated fat (gm)	GC-FID(Agilent)	Inhouse Method	-	1.87
d.	Monounsaturated Fat (gm)	GC-FID(Agilent)	Inhouse Method	-	31.20

**NOTE :** BLQ-Below Limit of Quantification, ND-Not Detected, Quantification limit (0.01ppm),For identification test done by HPTLC- Qualitative test for herbs,Thermal stability done on at 45°C for 24 hrs

**PART D : REMARKS :** Party has asked for the above tests only.

*Jaspreet Kaur*

24-01-2018  
**Jaspreet Kaur**  
**[Tech Manager (Micro.)]**

*Shikha*

Shikha  
 24-01-2018  
**Reviewer**  
 \*\*\*\*\*End Of Report\*\*\*\*\*

*Dr. Indra Rai*

24-01-2018  
**Dr. Indra Rai**  
**[Tech Manager (F&C)]**