

## Test Report

Document QF: 2501

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<b>Issued To</b> Lakavish Nutrtech Pvt. Ltd. 216/3, Prabhadevi Industrial Estate, Veer Sawarkar Marg, Prabhadevi, Mumbai Mumbai	<b>Sample Reg. No. :</b> F01-2102060176 <b>Sample Reg. Date :</b> 06-02-2021 <b>Report Date :</b> 31-03-2021 <b>Report No. :</b> ICF-2103312427 <b>Customer Ref. No.:</b> N.M <b>Letter Dated :</b> 19-01-2021
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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

### PART C : TEST RESULTS

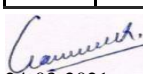
#### Description

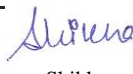
Description	Protein Builder
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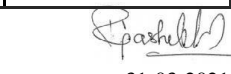
S.No.	Test Parameter	Inst. Used	Method	Requirement	Result
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#### Test Details :

1.	Chemical Parameters	Inst. Used	Method	Requirement	Result
a.	Moisture (% by mass)	Chemically	FSSAI Lab manual - 3		5.40
b.	Cholesterol (ppm)	GC-FID(Agilent)	Inhouse Method		BLQ(LOQ:20)
c.	Ash (% by mass)	Chemically	IS: 15271		2.32
d.	Gluten (ppm)	Elisa	ITC/SOP/PC/55		6.10
e.	pH Value	pH Meter	--		6.16
f.	Alpha Lipoic Acid (mg)	HPLC	STP/ITC/FC/020		2.91
g.	Zinc (mg) (as Zinc Gluconate)	ICPOES	ITC/STP/F/INST/008		11.90
h.	Chromium chloride as Cr(mg)	ICPOES	ITC/STP/F/INST/008		0.01
2.	Fatty Acid Profile	Inst. Used	Method	Requirement	Result
a.	Saturated fat (% by mass)	GC-FID(Agilent)	[STP/ITC/FD/019]		2.60
b.	Poly Unsaturated fat (% by mass)	GC-FID(Agilent)	[STP/ITC/FD/019]		1.30
c.	Mono Unsaturated Fatty Acid (% by mass)	GC-FID(Agilent)	[STP/ITC/FD/019]		1.10
d.	Trans Fat (% by mass)	GC-FID(Agilent)	[STP/ITC/FD/019]		BDL(DL:0.2)
3.	Pesticide Residue (mg/kg)	Inst. Used	Method	Requirement	Result
a.	Oxadiazon	LCMSMS	IH/Mass Screening		BLQ(LOQ:0.01)
b.	Oxyfluorfen	LCMSMS	IH/Mass Screening		BLQ(LOQ:0.01)
c.	Penconazole	LCMSMS	IH/Mass Screening		BLQ(LOQ:0.01)
d.	Phosalone	LCMSMS	IH/Mass Screening		BLQ(LOQ:0.01)
e.	Phosphamidon	LCMSMS	IH/Mass Screening		BLQ(LOQ:0.01)

  
24-03-2021  
Gaurav Khandelwal  
[Authorized Signatory]

  
Shikha  
31-03-2021  
Reviewer

  
31-03-2021  
Rajashekhar Balla  
[Authorized Signatory]

### Interstellar Testing Centre Pvt. Ltd.

(ISO 9001:2015 & 14001:2015 OHSAS 18001:2007 Certified Laboratory)

(A Government Approved Test House)

86, Industrial Area, Phase-1, Panchkula-134109 (Haryana)

Phone : (O) 0172-2561543, 2565825

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#### Disclaimer :

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f.	Pirimiphos-methyl	LCMSMS	IH/Mass Screening		BLQ(LOQ:0.01)
g.	Pretilachlor	LCMSMS	IH/Mass Screening		BLQ(LOQ:0.01)
h.	Profenofos	LCMSMS	IH/Mass Screening		BLQ(LOQ:0.01)
i.	Propargite	LCMSMS	IH/Mass Screening		BLQ(LOQ:0.01)
j.	Propineb	LCMSMS	IH/Mass Screening		BLQ(LOQ:0.01)
k.	Pyrazosulfuron ethyl	LCMSMS	IH/Mass Screening		BLQ(LOQ:0.01)
l.	Quinalphos	LCMSMS	IH/Mass Screening		BLQ(LOQ:0.01)
m.	Simazine	LCMSMS	IH/Mass Screening		BLQ(LOQ:0.01)
n.	Spinosad	LCMSMS	IH/Mass Screening		BLQ(LOQ:0.01)
o.	Thiamethoxam	LCMSMS	IH/Mass Screening		BLQ(LOQ:0.01)
p.	Thiodicarb	LCMSMS	IH/Mass Screening		BLQ(LOQ:0.01)
q.	Thiophanate-methyl	LCMSMS	IH/Mass Screening		BLQ(LOQ:0.01)
r.	Triazophos	LCMSMS	IH/Mass Screening		BLQ(LOQ:0.01)
s.	Tricyclazole	LCMSMS	IH/Mass Screening		BLQ(LOQ:0.01)
t.	Alpha Nephthyl Acetic Acid	LCMSMS	IH/Mass Screening		BLQ(LOQ:0.01)
<b>4.</b>	<b>Nutritional Value</b>				
a.	Fat(gm)	Chemically	AOAC 933.05 /Gravimetric method		5.00
b.	Carbohydrates(gm)	Chemically	By difference		14.15
c.	Protein(gm)	Chemically	AOAC 2001.11 (Kjeldahl Method)		66.38
d.	Dietary fibre (gm)	Chemically	AOAC 985.29 by megazyme kit		9.68
e.	Energy (Kcal)	Chemically	By Calculation		423.42
<b>5.</b>	<b>Microbiological Tests</b>				
a.	Total plate count,cfu/g	Microbiological	[IS: 5402-2012]		400
b.	Yeast & Mould count,cfu/g	Microbiological	IS 5403:1999 RA (2013)	50	<10
c.	Coliform/gm	Microbiological	IS 5401 (Part- 2) : 2012	Absent	Absent
d.	Bifidobacterium sp.	Microbiological	MB/048		20 billion cfu/g
e.	Lactobacillus sp.	Microbiological	MB/048		22.72 billion cfu/g

  
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<b>6.</b>	<b>Vitamins</b>			
a.	Vitamin C(mg)	Chemically	IS: 5838-2015	353.09
<b>7.</b>	<b>Amino Acid Profile</b>			
a.	L-Arginine , mg	HPLC	STP/ITC/FC/020	956.41 mg/100gm
b.	L-proline (mg)	HPLC	STP/ITC/FC/020	818.09 mg/100gm
c.	L-Lysine (mg)	HPLC	STP/ITC/FC/020	7404.94 mg/100gm
d.	Glycine (mg)	HPLC	STP/ITC/FC/020	1349.38 mg/100gm
e.	L-Alanine (mg)	HPLC	STP/ITC/FC/020	2651.26 mg/100gm
f.	L-valine (mg)	HPLC	STP/ITC/FC/020	1940.88 mg/100gm
g.	L-Aspartic Acid (mg)	HPLC	STP/ITC/FC/020	15035.89 mg/100gm
h.	L-Serine (mg)	HPLC	STP/ITC/FC/020	2773.71 mg/100gm
i.	L-phenylalanine (mg)	HPLC	STP/ITC/FC/020	1125.90 mg/100gm
j.	L-Tyrosine (mg)	HPLC	STP/ITC/FC/020	1858.10 mg/100gm
k.	L-Threonine (mg)	HPLC	STP/ITC/FC/020	3040.87 mg/100gm
l.	L-Tryptophan (mg)	HPLC	STP/ITC/FC/020	23.69 mg/100gm
m.	L-Histidine (mg)	HPLC	STP/ITC/FC/020	855.75 mg/100gm
n.	L-Leucine (mg)	HPLC	STP/ITC/FC/020	5251.50 mg/100gm
o.	L-isoleucine (mg)	HPLC	STP/ITC/FC/020	2480.01 mg/100gm
p.	L-cysteine (mg)	HPLC	STP/ITC/FC/020	3556.18 mg/100gm
q.	L-Methionine (mg)	HPLC	STP/ITC/FC/020	1076.16 mg/100gm
r.	L-Glutamic Acid(mg)	HPLC	STP/ITC/FC/020	14431.79 mg/100gm
<b>8.</b>	<b>Heavy Metals</b>			
a.	Cadmium(as Cd)(ppm)	ICPMS	ITC/STP/F/INST/006	Max. 1.5 BLQ(LOQ : 0.10)
b.	Mercury(as Hg)(ppm)	ICPMS	ITC/STP/F/INST/006	Max. 1.0 BLQ(LOQ : 0.10)
c.	Methyl Mercury (Calculated as element) (ppm)	By calculation	--	Max. 0.25 BLQ
d.	Lead(as Pb)(ppm)	ICPMS	ITC/STP/F/INST/006	Max. 2.5 BLQ(LOQ : 0.10)
e.	Arsenic(as As)(ppm)	ICPMS	ITC/STP/F/INST/006	Max. 1.1 BLQ(LOQ : 0.10)
f.	Selenium (as Se) (ppm)	ICPMS	ITC/STP/F/INST/006	1.25
g.	Antimony (ppm)	ICPMS	ITC/STP/F/INST/006	0.16
h.	Nickel (as Ni)(ppm)	ICPMS	ITC/STP/F/INST/006	BLQ(LOQ : 0.10)
i.	Manganese (as Mn)(ppm)	ICPMS	In house method	2.57

  
 24-03-2021  
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 [Authorized Signatory]

  
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 31-03-2021  
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 Rajashekhar Balla  
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9.	Identification				
a.	Identification by TLC	TLC	Party's Method		Complies
b.	Avocado extract assay	TLC	In house method		Complies
c.	Alium sativum extract assay	TLC	In house method		Complies
d.	Gynostemma pentaphyllum extract assay	TLC	In house method		Complies
e.	Centella asiatica extract assay	TLC	In house method		Complies
f.	Ribes nigrum anthocyanins extract assay	TLC	In house method		Complies
g.	Sea buckthorn extract assay	TLC	In house method		Complies
h.	Acai berry extract assay	TLC	In house method		Complies
i.	White tea extract assay	TLC	In house method		Complies
j.	Aloevera Extract	TLC	In house method		Complies

#' represents Customer Defined Fields


**NOTE :** <10 indicates no growth observed in 1:10 dilution, BLQ- Below Limit of Quantification, LOQ-Limit of Quantification, Value per 100 g

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

\*\*\*\*\*End Of Report\*\*\*\*\*

  
 24-03-2021  
**Gaurav Khandelwal**  
 [Authorized Signatory]

  
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