



SHRIRAM INSTITUTE FOR INDUSTRIAL RESEARCH

(A unit of Shriram Scientific and Industrial Research Foundation)

19, University Road, Delhi – 110007 (India)
An ISO - 9001, 14001 & OHSAS 18001 Certified Institute

Website : www.shriraminstitute.org
E-mail id : customercare@shriraminstitute.org

TEST CERTIFICATE

NO. : C1/0000212151

Issued To:

Client Code : S2764
STEADFAST NUTRITION
A DIV. OF STEADFAST MEDISHIELD PVT
LTD, GROUND FLOOR, A-67, SECTOR 4
NOIDA
UTTAR PRADESH-201301
Kind Attn: MR HITESH MANOCHA

Date 29/02/2020

Job No. 2002-1-101-2763

Booking No. RG1920/1/14199

Booking Date 18/02/2020

Customer Ref No. E.MAIL

Customer Ref Date 10/02/2020

Sample Description :

One sample described as Active BCAA, Batch No. SN0509, Mfg. Date: 02/20 was received.

(The sampling was not carried out by the Representative of Shriram Institute for Industrial Research. The sample particulars provided in test certificate are based on declaration by the party.)

TEST RESULTS

| S. No. | Test Parameters | Observed Value | Protocol/Guidelines |
|--------|-------------------------------|-----------------------|------------------------|
| 1 | Energy, kCal/100g | 403.6 | IS:8220-1976 (R-2015) |
| 2 | Fat, g/100g | 1.2 | IS:11721-2013 (R-2018) |
| 3 | Protein (Nx6.25), g/100g | 33.4 | IS:7219-1973 (R-2015) |
| 4 | Total carbohydrates, g/100g | 64.8 | IS:1656-2007 (R-2012) |
| 5 | Test for presence of steroids | Negative | IP (2018) |
| 6 | Lead as Pb, mg/kg | 0.4 | AOAC 2013.06, 21st Ed. |
| 7 | Cadmium as Cd, mg/kg | BDL (DL-0.1 mg/kg) | AOAC 2013.06, 21st Ed. |
| 8 | Arsenic as As, mg/kg | BDL (DL-0.1 mg/kg) | AOAC 2013.06, 21st Ed. |
| 9 | Mercury as Hg, mg/kg | BDL (DL-0.1 mg/kg) | AOAC 2013.06, 21st Ed. |
| 10 | Tin as Sn, mg/kg | BDL (DL-1.0 mg/kg) | AOAC 2013.06, 21st Ed. |
| 11 | Copper as Cu, mg/kg | BDL (DL-1.0 mg/kg) | AOAC 2013.06, 21st Ed. |

12 Amino Acid Profile

AUTHORISED SIGNATORY
EMPLOYEE CODE : (5538)

GC-01(Rev-05)

Page 1 of 2

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SRI-C1 (Rev. 03)

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| | | |
|---------------------------|---------------------------------|-----------------------|
| (a) Cystic acid, g/100g | BDL (DL-0.04g/100g) | SOP/SRI-FF/040 (HPLC) |
| (b) Aspartic acid, g/100g | 2.0 | SOP/SRI-FF/040 (HPLC) |
| (c) Glutamic acid, g/100g | 4.2 | SOP/SRI-FF/040 (HPLC) |
| (d) Serine, g/100g | Not Detected (DL-0.02g/100g) | SOP/SRI-FF/040 (HPLC) |
| (e) Glycine, g/100g | BDL (DL-0.02g/100g) | SOP/SRI-FF/040 (HPLC) |
| (f) Histidine, g/100g | BDL (DL-0.02g/100g) | SOP/SRI-FF/040 (HPLC) |
| (g) Arginine, g/100g | 2.8 | SOP/SRI-FF/040 (HPLC) |
| (h) Threonine, g/100g | BDL (DL-0.02g/100g) | SOP/SRI-FF/040 (HPLC) |
| (i) Alanine, g/100g | 1.1 | SOP/SRI-FF/040 (HPLC) |
| (j) Proline, g/100g | Not Detected (DL-1.0g/100g) | SOP/SRI-FF/040 (HPLC) |
| (k) Methionine, g/100g | 0.1 | SOP/SRI-FF/040 (HPLC) |
| (l) Valine, g/100g | 8.3 | SOP/SRI-FF/040 (HPLC) |
| (m) Isoleucine, g/100g | 7.0 | SOP/SRI-FF/040 (HPLC) |
| (n) Leucine, g/100g | 16.8 | SOP/SRI-FF/040 (HPLC) |
| (o) Phenylalanine, g/100g | 0.1 | SOP/SRI-FF/040 (HPLC) |
| (p) Lysine, g/100g | 0.8 | SOP/SRI-FF/040 (HPLC) |
| (q) Tyrosine, g/100g | BDL (DL-0.02g/100g) | SOP/SRI-FF/040 (HPLC) |
| (r) Tryptophan, g/100g | BDL (DL-0.02g/100g) | SOP/SRI-FF/040 (HPLC) |


BDL- Below Detection Limit; DL - Detection Limit.

DOR : 19.02.2020

DOC : 29.02.2020

GC-01(Rev-05)

Page 2 of 2


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