



Tirupati
Wellness

Tirupati Wellness LLP

Surajpur, Nahan Road, Paonta Sahib, Dist. Sirmour, Himachal Pradesh - 173 001, India

QUALITY CONTROL DEPARTMENT

-: Certificate of Analysis:-

Name of Product	MUSCLE XP BCAA ORANGE 400GM	A.R. No.	TWN/FPF0439/18
TDS No.	TWN/QCD/TDF-0037-00	Received Date	29/09/2018
Batch No.	EMB18011	Date of Release	08/10/2018
Mfg. Date	Sep.2018	Batch Size	400kg
Best Before	24 months	Sampled Qty.	1Jar
Specification No.	TWN/FPS/0020-00	Sampled By	Mr. shiv

Sr.No.	Tests	Specifications	Observation
1.	Description	White colored orange flavoured powder with occasional yellow colored granules.	White colored orange flavoured powder with occasional yellow colored granules.
2.	Identification For L- valine, L-Isoleucine & L-leucine	In the chromatograms, the retention time of principal peaks of the L-Valine, L-Isoleucine & L-Leucine in the assay preparation should match with Standard preparation as directed in the assay.	Complies
3.	pH	Between 2.0 to 5.0	3.39
4.	Loss on drying (at 105°C for 3 hrs)	NMT 2.0 % w/w	0.89% w/w
5.	Organoleptic Reconstitution (9g in 250ml drinking water)	Orange colored orange flavoured solution	Complies
6.	Bulk Density		
	Untapped	Between 0.50 to 0.70g/ml	0.61 g/ml
	Tapped (100 tap)	Between 0.55 to 0.75g/ml	0.72 g/ml
7.	Assay		
	Content	Limit	Result



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L- valine	NLT 90% of Labeled amount i.e. (NLT 1.35 g of L-Valine)	118.0% (1.77g)
L-Isoleucine	NLT 90% of Labeled amount i.e. (NLT 1.35 g of L-Isoleucine)	108.6% (1.63g)
L-leucine	NLT 90% of Labeled amount i.e. (NLT 2.70 g of L-Leucine)	101.6% (3.05g)

Remark: The sample ~~complies~~ /does not comply with respect to IN-HOUSE specification.

Analysed By: *Amu*
Date : 08/10/2018

Checked By: *[Signature]*
Date : 08/10/2018

Approved By: *[Signature]*
Date : 08/10/2018