




QUALITY CONTROL DEPARTMENT
-: Certificate of Analysis Finished Good: -

Name of Product	: Muscle XP BCAA 6000 (400gm)	A.R. No.	: TWN/FPF1375/20
Protocol No.	: TWN/QCD/TDF-0037-02	Received Date	: 24/12/2020
Batch No.	: EMB20022	Date of Release	: 02/01/2021
Mfg. Date	: Dec. 2020	Batch Size	: 400 Kg
Best Before	: 24 month from mfg.	Sampled Qty.	: 1 Jar
Specification No.	: TWN/FPS/0020-02	Sampled By	: Mr. Ankit

S.No.	Tests	Specifications	Observation
1.	Description	White colored orange flavored powder with occasional yellow colored granules.	White colored orange flavored powder with occasional yellow colored granules.
2.	Sensory Requirements:		
a.	Appearance/color/ Aroma/Taste	Orange colored orange flavored solution.	Complies
b.	Sensory score	≥ 80%	100 %
	Identification		
3.	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
4.	pH (10% solution in water)	Between 2.0 to 5.0	3.47
5.	Loss on drying (At 105°C for 3 hours)	NMT 2.0 %w/w	0.8 %w/w
6.	Organoleptic Reconstitution (9g in 250ml drinking water)	Orange colored orange flavored solution.	Orange colored orange flavored solution.

Signatories	Prepared By:	Checked By:	Approved By:
Name	Prishna Doo Singh	Geetanjali Pawar	Vinod Kumar
Designation/Dept.	QA Officer QC	Executive I.O.C.	ASST. Manager/QA
Signature/Date	 02/01/2021	 02/01/2021	 02/01/2021






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7.	Density			
	Untapped	Between 0.50 to 0.70 g/ml	0.61 g/ml	
	Tapped (100 Taps)	Between 0.55 to 0.75g/ml	0.71 g/ml	
8.	Assay per 9g			
	Content	Claim	Limit	Result
	L-Valine	1.5g	NLT 90% of Labeled amount i.e. NLT 1.35 g of L-Valine	1.63g 108.7%
	L-Isoleucine	1.5g	NLT 90% of Labeled amount i.e. NLT 1.35 g of L-Isoleucine	1.42g 94.7%
	L-Leucine	3.0g	NLT 90% of Labeled amount i.e. NLT 2.70 g of L-Leucine	3.74g 124.7%

Remark: All test parameter of the sample complies /does not comply as per the specification.

Signatories	Prepared By:	Checked By:	Approved By:
Name	Prishna Doo Singh	Geetanjali Rawat	Vinod Kumar
Designation/Dept.	Sr. officer QC	Executive I.C	Asst. Manager/OP
Signature/Date	 02/01/2021	 02/01/2021	 02/01/2021

