



Tirupati
Wellness

Tirupati Wellness LLP

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

QUALITY CONTROL DEPARTMENT

-: Certificate of Analysis:-

Name of Product	: MUSCLE XP L-GLUTAMINE	A.R. No.	: TWN/FPF0563/18
TDS No.	: TWN/QCD/TDF-0036-01	Received Date	: 18/11/2018
Batch No.	: EMB18016	Date of Release	: 26/11/2018
Mfg. Date	: Nov. 2018	Batch Size	: 800kg
Best Before	: 18 months	Sampled Qty.	: 1 jar
Specification No.	: TWN/FPS/0019-01	Sampled By	: Mr. Jaswant

Sr.No.	Tests	Specifications	Observation
1.	Description	White to off white powder	White to off white powder
2.	Identification L-Glutamine	Confirms by titration as described in assay	Complies
3.	pH	Between 3.50 to 5.50	4.84
4.	Loss on drying (at 105°C for 3 hrs)	NMT 2.0 % w/w	0.85% w/w
5.	Organoleptic Reconstitution (5g in 250ml drinking water)	Clear odorless solution	Complies
6.	Bulk Density		
	Untapped	Between 0.50g/ml to 0.70g/ml	0.55 g/ml
	Tapped (100 tap)	Between 0.70g/ml to 0.90g/ml	0.87 g/ml
7.	Assay		
	Content	Limit	Result
	Each 5g Contains: L-Glutamine	Not Less Than 90.0% of labeled amount i.e. (Not Less Than L-Glutamine 4.5 g)	100.6% (5.03 g)

8.	Microbial limit test :		
	Microbiological test	Limit	Observation
	Total Plate count	NMT 10,000 cfu/g	700 cfu/g
	Total fungal count	NMT 1000 cfu/g	<10 cfu/g
	E.coli	Should be absent/g	Absent/g
	Salmonella	Should be absent/10g	Absent/10g



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 L-GLUTAMINE	A.R. No.	: TWN/FPF0563/18
TDS No.	: TWN/QCD/TDF-0036-01	Received Date	: 18/11/2018
Batch No.	: EMB18016	Date of Release	: 26/11/2018
Mfg. Date	: Nov. 2018	Batch Size	: 800kg
Best Before	: 18 months	Sampled Qty.	: 1 jar
Specification No.	: TWN/FPS/0019-01	Sampled By	: Mr. Jaswant

Pseudomonas aeruginosa	Should be absent/g	Absent/g
Staphylococcus	Should be absent/g	Absent/g

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

Analysed By: 

Date :

26/11/2018

Checked By: 

Date :

26/11/2018

Approved By: 

Date :

26/11/2018