

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

Name of Product	: MUSCLES XP CREATINE MONOHYDRATE (250gm)	A.R. No.	: TWN/PPF0268/19
TDS No.	: TWN/QCD/TDF-0086-01	Received Date	: 29/03/2019
Batch No.	: EMB19011	Date of Release	: 06/04/2019
Mfg. Date	: Mar.2019	Batch Size	: 500kg
Best Before	: 30 months	Sampled Qty.	: 2 jar
Specification No.	: TWN/FPS/0072-01	Sampled By	: Mr. Jaswant

Sr.No.	Tests	Specifications	Observation
1.	Description	White odorless powder	White odorless powder
2.	Identification Creatine Monohydrate	Confirms Chemically by Titration as Described in Assay.	Complies
3.	pH	Between 5.50 to 8.50	6.78
4.	Loss on drying (at 105°C for 3 hrs)	NMT 14.0 % (w/w)	10.4% w/w
5.	Organoleptic Reconstitution (3g in 300ml cold water)	White odorless suspension.	Complies
6.	Bulk Density		
	Untapped	Between 0.30 to 0.50 g/ml	0.32g/ml
	Tapped (100 tap)	Between 0.50 to 0.85g/ ml	0.51g/ml
7.	Assay		
	Content	Limit	Result
	Creatine Monohydrate	3.0 g NLT 90% of Labeled amount (i.e. NLT 2.70 g) of Creatine Monohydrate	2.98% (99.3g)

8.	Microbial limit test :		
	Microbiological test	Limit	Observation
	Total Plate count	NMT 10,000 cfu/g	1050 cfu/g
	Total fungal count	NMT 1000 cfu/g	50 cfu/g
	E.coli	Should be absent/g	absent/g
	Salmonella	Should be absent/25g	absent/25g