



Tirupati Wellness Private Limited

Surajpur, Nahar Road, Paonta Sahib, Dist. Sirmour, Himachal Pradesh - 173025, India.

QUALITY CONTROL DEPARTMENT

-: Certificate of Analysis Finished Good: -

|                   |  |                 |                  |
|-------------------|--|-----------------|------------------|
| Name of Product   | : Muscle XP Amino Blend + Energy (Orange Flavor) 400gm | A.R. No.        | : TWN/FPF0935/21 |
| Protocol No.      | : TWN/QCD/TDF-0110-00                                  | Received Date   | : 15/06/2021     |
| Batch No.         | : EMB21006   | Date of Release | : 24/06/2021     |
| Mfg. Date         | : Jun. 2021  | Batch Size      | : 480 Kg         |
| Best Before       | : 18 month from mfg.                                   | Sampled Qty.    | : 01 Jar         |
| Specification No. | : TWN/FPS/0096-00                                      | Sampled By      | : Mr. Ankit      |

| S.No. | Tests   | Specifications  | Observation   |
|-------|---|---|---|
| 1.    | Description   | Light brown colored Orange flavored powder & with occasionally yellow granules.   | Light brown colored Orange flavored powder & with occasionally yellow 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 (10% solution in water)                                  | Between 3.00 to 5.00  | 4.24  |
| 4.    | Loss on drying (At 105°C for 3 hours)                       | NMT 3.0 %w/w  | 1.9 %w/w  |
| 5.    | Organoleptic Reconstitution (8g in 250-300ml of Cold water) | Orange colored orange flavored solution.  | Orange colored orange flavored solution.  |
| 6.    | Bulk Density  |   |   |
|       | Untapped  | Between 0.45 to 0.65 g/ml   | 0.50 g/ml   |
|       | Tapped (100 Taps)   | Between 0.55 to 0.75 g/ml   | 0.61 g/ml   |

| Signatories       | Prepared By:      | Checked By:       | Approved By:      |
|-------------------|-------------------|-------------------|-------------------|
| Name              | Krishna Dew Singh | Vijouli Sharma    | Vinod Kumar       |
| Designation/Dept. | Sr. Officer Q.C   | Asst. Manager Q.C | Asst. Manager Q.C |
| Signature/Date    | 24/06/2021        | 24/06/2021        | 24/06/2021        |





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| Assay per 8g |       |   |                      |
|--------------|-------|---|----------------------|
| Content      | Claim | Limit   | Result               |
| 7. L-Valine  | 375mg | NLT 90% of Labeled amount i.e. NLT 337.50mg of L-Valine     | 538.10mg<br>143.5%   |
| L-Isoleucine | 375mg | NLT 90% of Labeled amount i.e. NLT 337.50mg of L-Isoleucine | 416.46mg<br>111.1%   |
| L-Leucine    | 750mg | NLT 90% of Labeled amount i.e. NLT 675mg of L-Leucine       | 1039.00mg<br>138.5 % |

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

| Signatories       | Prepared By:        | Checked By:    | Approved By:     |
|-------------------|---------------------|----------------|------------------|
| Name              | Prabhakar Das Singh | Vijay Sharma   | Virender Kumar   |
| Designation/Dept. | SR. Officer QC      | Dy. Manager QC | Asst. Manager/QC |
| Signature/Date    | 24/06/2021          | 24/06/2021     | 24/06/2021       |

