

**Certificate of Analysis**

|              |              |                  |          |
|--------------|--------------|------------------|----------|
| Product Name | Beta-Alanine | Manufacture Date | 20200506 |
| Batch Number | YG20200506   | Analysis Date    | 20200510 |
| Quantity     | 3000kg       | Expiry Date      | 20220505 |

| ITEMS                             | SPECIFICATION  | RESULTS        |
|-----------------------------------|--|----------------|
| Assay,%                           | 98.0-101.0   | 99.5           |
| <b>Physical &amp; Chemical</b>    |  |                |
| Appearance                        | White crystal or crystalline powder                      | White crystal  |
| PH                                | 6.5-7.5  | 7.02           |
| Transmittance                     | ≥95  | 98.8           |
| Loss on drying, %                 | ≤0.20  | 0.05           |
| Residue on ignition,%             | ≤0.20  | 0.05           |
| Chloride(Cl), %                   | ≤0.04  | <0.04          |
| Iron,ppm                          | ≤0.003   | <0.003         |
| Sulfate(SO4), %                   | ≤0.048   | <0.048         |
| Ammonium (as NH <sub>4</sub> ), % | ≤0.02  | <0.02          |
| Other amino acids                 | Not detectable   | Not detectable |
| <b>Heavy metals</b>               |  |                |
| Heavy metals(Pb)                  | ≤0.001   | <0.001         |
| Lead                              | ≤1ppm  | <1ppm          |
| Arsenic                           | ≤1ppm  | <1ppm          |
| Cadmium                           | ≤0.5ppm  | <0.5ppm        |
| Mercury                           | ≤0.1ppm  | <0.1ppm        |
| <b>Microbiological</b>            |  |                |
| Total Plate Count, cfu/g          | ≤1000  | ≤10            |
| E.Coli                            | Negative   | Negative       |
| Salmonella                        | Negative   | Negative       |
| Conclusion                        | This product conforms to requirements of AJI97 standard. |                |