

CERTIFICATE OF ANALYSIS

Product Name: Beta Alanine

Packaging: 25kg net Drums

Manufacture Date: 9th October 2021

Testing Date: 9th October 2021

Batch Number: C22110094B2

Re-Test Date: 8th October 2023

Amount: 500kg

Reference Standard: AJI97

| Item | Specification | Test Result | Testing Method |
|-----------------------------------|--------------------------------------|------------------|----------------|
| Appearance | White crystals or crystalline powder | Conforms | |
| State of Solution (transmittance) | $\geq 95\%$ | 99.2% | |
| Melting Point | 197° ~ 202°C | 197.1° ~ 198.0°C | |
| Loss on drying | $\leq 0.20\%$ | 0.06% | |
| Residue on ignition | $\leq 0.20\%$ | 0.07% | |
| Assay | 98.0 ~ 101.0% | 99.4% | |
| pH | 6.5 ~ 7.5 | 7.08 | |
| Iron | $\leq 30\text{ppm}$ | Conforms | |
| Heavy Metals | $\leq 10\text{ppm}$ | Conforms | |
| Chloride | $\leq 0.04\%$ | Conforms | |
| Sulphate | $\leq 0.048\%$ | Conforms | |
| Ammonium | $\leq 0.02\%$ | Conforms | |
| Arsenic | $\leq 1\text{ppm}$ | < 1ppm | |
| Lead | $\leq 1\text{ppm}$ | < 1ppm | |
| Cadmium | $\leq 1\text{ppm}$ | < 1ppm | |
| Mercury | $\leq 0.1\text{ppm}$ | < 0.1ppm | |
| Total Plate Count | $\leq 1000\text{cfu/g}$ | < 10cfu/g | |
| Yeast and Mould | $\leq 100\text{cfu/g}$ | < 10cfu/g | |
| E.Coli | $\leq 10\text{cfu/g}$ | < 10cfu/g | |
| Salmonella | Negative in 25g | Negative | |

| | | | |
|-----------------------|--|----------|--|
| Staphylococcus Aureus | Negative in 25g | Negative | |
| Conclusion: | Conforms to the requirements of AJI97 standard | | |

Remarks: Test results above are just for reference. As for specific, the sample shall be taken as standards.