



CERTIFICATE OF ANALYSIS

| | |
|------------------------|-------------------------------------|
| Product Name | Taurine (without anti-caking agent) |
| Batch Number | 10009K8 |
| Production Date | 2024.10.30 |
| Expiry Date | 2028.10.29 |
| Report Date | 2024.11.05 |

Physical & Chemical Characteristics

| Analysis Item | Standard (JP17) | Standard (USP43) | Result |
|-------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|
| Characteristics | A white crystalline powder, odorless | A white crystalline powder, odorless | A white crystalline powder, odorless |
| Identification | Positive | Positive | Positive |
| Clarity and color of solution | Clear and colorless | - | Pass test |
| Chloride | Max 0.011% | Max 0.05% | <0.010% |
| Sulfate | Max 0.010% | Max 0.03% | <0.010% |
| Ammonium | Max 0.02% | - | <0.015% |
| pH | 4.1 – 5.6 | - | 5.0 |
| Related substances | Meet to requirement | Meet to requirement | Meet to requirement |
| Loss on drying | 0.20%(105°C, 2 hours)max | 0.3%(105°C, 3 hours)max | 0.11% |
| Residue on ignition | 0.1%max | 0.3%max | 0.08% |
| Assay (dried) | 99.0%–101.0% | 98.0%–102.0% | 99.5% |
| Electrical conductivity | - | - | 23.91 |
| Residual solvents | - | - | Meet to requirement |

| | | | |
|--------------------------------|---------------|---------------|---------------|
| Readily carbonizable substance | Pass the test | Pass the test | Pass the test |
|--------------------------------|---------------|---------------|---------------|

Heavy Metals

| Analysis Item | Standard (JP17) | Standard (USP43) | Result |
|---------------|-----------------|------------------|--------|
| Heavy metals | ≤8ppm | - | <8ppm |
| Iron | NMT 10ppm | NMT 30ppm | <10ppm |

Microbiological Tests

| Analysis Item | Standard (JP17) | Standard (USP43) | Result |
|-------------------------|-----------------|------------------|----------|
| Total plate count | NMT 1000/g | NMT 1000/g | <10/g |
| Mold | NMT 100/g | NMT 100/g | <10/g |
| Yeast | NMT 100/g | NMT 100/g | <10/g |
| E. coli | Negative/10g | Negative/10g | Negative |
| Salmonella | Negative/100g | Negative/100g | Negative |
| S. aureus | Negative/10g | Negative/10g | Negative |
| Enterobacteriaceae | Negative/10g | Negative/10g | Negative |
| B. cereus | Negative/10g | Negative/10g | Negative |
| Sulphite red clostridia | Negative/10g | Negative/10g | Negative |
| Cronobacter | Negative/10g | Negative/10g | Negative |

Conclusion: Comply with JP17/USP43

We hereby declare our product comply with GMP, ISO9001:2008.

We hereby certify our product is BSE/TSE free