

Xi'an Jiuzhong Biotechnology Co., Ltd.

CERTIFICATE OF ANALYSIS

| | | | |
|------------------|---------------|-------------------|--------------|
| Product name | Ferulic Acid | Country of Origin | China |
| Batch Size | 1000kg | Batch Number | FA230202 |
| Manufacture Date | Feb. 02, 2023 | Expiry Date | Feb.01, 2025 |

| Item | Specification | Result | Method |
|-------------------------|---|-------------|--------------|
| Assay | Ferulic Acid \geq 99.0% | 99.36% | HPLC |
| Appearance | Off-white to white fine powder | Complies | Visual |
| Odor | Characteristic | Complies | Organoleptic |
| Melting Point | 169°C~173°C | 170°C~172°C | / |
| Loss on Drying | \leq 1.0% | 0.55% | 105°C/3hrs |
| Residue on Ignition | \leq 0.1% | 0.06% | 750°C/5hrs |
| Heavy Metals | \leq 10ppm | Complies | CP2015 |
| Lead | \leq 1ppm | Complies | AAS |
| Arsenic | \leq 1ppm | Complies | AAS |
| Microbiological Control | | | |
| Total Plate Count | \leq 500cfu/g | Complies | CP2015 |
| Yeast & Mould | \leq 100cfu/g | Complies | CP2015 |
| E.Coli | Negative | Complies | CP2015 |
| Salmonella | Negative | Complies | CP2015 |
| Staphylococcus | Negative | Complies | CP2015 |
| Pseudomona aeruginosa | Negative | Complies | CP2015 |
| Storage | Cool & dry place. Keep away from strong light and heat. | | |
| Shelf | 2 years when properly stored | | |

Conclusion: The product conforms with the above specification.

QA:Yang Jie

QC:Wang Yang