

## CERTIFICATE OF ANALYSIS

|                    |                                                                                             |                  |                   |
|--------------------|---------------------------------------------------------------------------------------------|------------------|-------------------|
| Product Name:      | <b>Kojic acid</b>                                                                           |                  |                   |
| CAS NO.:           | 501-30-4                                                                                    | Standard:        | In-house Standard |
| Batch Number:      | 20220510                                                                                    | Manuf. Date:     | May. 10, 2022     |
| Quantity:          | 200kg                                                                                       | Expiration Date: | May. 09, 2024     |
| Storage Condition: | Store in a well-closed and dry place with constant room temperature and Non-direct sunlight |                  |                   |

| TEST ITEM                    | SPECIFICATION                              | RESULTS         |
|------------------------------|--------------------------------------------|-----------------|
| Appearance                   | White or off-white powder                  | Conforms        |
| Melting Range                | 152°C~156°C                                | 154.7°C~155.0°C |
| Loss on drying               | ≤0.5%                                      | 0.13%           |
| Residue on ignition          | ≤0.1%                                      | 0.07%           |
| Chloride                     | ≤50ppm                                     | 20ppm           |
| <b>Heavy Metals</b>          | ≤3ppm                                      | Conforms        |
| Arsenic(As)                  | ≤1ppm                                      | Conforms        |
| Iron(Fe)                     | ≤10ppm                                     | Conforms        |
| <b>Microbiological Tests</b> |                                            |                 |
| Total plate Count            | ≤1000cfu/g                                 | Conforms        |
| Yeast & Mold                 | ≤100cfu/g                                  | Conforms        |
| E.Coli.                      | Negative                                   | Negative        |
| Salmonella                   | Negative                                   | Negative        |
| <b>Assay(HPLC)</b>           | ≥99.0%                                     | 99.6%           |
| Conclusion:                  | Conform to the In-house Standard Standard. |                 |

Tested by: Tiantian Wang



Approved by: Yujian Liu