

## Certificate of Analysis

|                    |                             |                 |                |
|--------------------|-----------------------------|-----------------|----------------|
| Product Name       | Calcium Alpha Ketoglutarate | Batch No.       | QY-CAK20221202 |
| Manufacturing Date | 2022-12-02                  | Expiration Date | 2024-12-01     |

| Item                                | Specification              | Result    | Method       |
|-------------------------------------|----------------------------|-----------|--------------|
| <b>Assay</b>                        | 99.0%                      | 99.07%    | Titration    |
| <b>Physical &amp; Chemical Data</b> |                            |           |              |
| Appearance                          | Off- white to white powder | Conforms  | Organoleptic |
| Odor & Taste                        | Characteristic             | Conforms  |              |
| <b>Analytical Quality</b>           |                            |           |              |
| Identification                      |                            | Identical | TLC          |
| Sieve                               | NLT 90% Through 80 mesh    | Conforms  | Mesh Screen  |
| Loss on Drying                      | ≤3.0%                      | 2.07%     | USP          |
| Residue on ignition                 | ≤0.1%                      | 0.01%     | USP          |
| Ca <sup>2+</sup>                    | 21±1%                      | 21.8%     | EDTA         |
| <b>Total Heavy Metals</b>           | ≤10ppm                     | Conforms  | USP          |
| Arsenic(As)                         | ≤0.1ppm                    | Conforms  | USP          |
| Lead(Pb)                            | ≤3.0ppm                    | Conforms  | USP          |
| Mercury(Hg)                         | ≤0.1ppm                    | Conforms  | USP          |
| Cadmium(Cd)                         | ≤0.1ppm                    | Conforms  | USP          |
| <b>Microbiological Tests</b>        |                            |           |              |
| Total Plate Count                   | ≤1000cfu/g                 | Conforms  | USP          |
| Yeast & Mold                        | ≤50cfu/g                   | Conforms  | USP          |
| E.Coli                              | Negative                   | Negative  | USP          |
| Salmonella                          | Negative                   | Negative  | USP          |
| Staphylococcus                      | Negative                   | Negative  | USP          |
| <b>Conclusion</b>                   | Conform with specification |           |              |

Storage Cool & dry place.Do not freeze.Keep away from strong light and heat.

Shelf Life 36 months under the conditions above and in its original packaging.

Package In double sealed PP bags, 10/25kgs Drum.

Tested by: Mr Chen Date: 2022-12-07