



Certified Laboratories

A Certified Group Company

Specializing in Cosmetics, OTC, Dietary Supplements and Toys/Gadgets

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ANALYTICAL/CHEMICAL CERTIFICATE OF ANALYSIS

Sample Name: **CALCIUM ALPHA KETOGLUTARATE**
Product Code: 403004
Batch Lot #: CAK230905
Accession #: 240414-0150

PO# : N/A
Report #: N/A
Sample Description : RAW
Rush: N/A
Received Date: 04/14/24

| Test Requested: | Test Method: | Specification: | Results: |
|-----------------------------|-----------------------|----------------|----------|
| Calcium Alpha Ketoglutarate | MQLTM-0314 By HPLC | NLT 98% | 100% |

Prepared By:

May 07 2024

Stella Garibian /Document Control Specialist

05/07/24

Reviewed By:

May 07 2024

Zane Queen /Quality Assurance Assistant I

05/07/24

The aforementioned results on this report are representative of the samples submitted and may not be indicative of the entire manufacture, batch, and/or lot. Applicable current GMP's shall always be used when sampling. GLP's shall always be practiced by Certified Laboratories to ensure the most accurate results.

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GENERAL INFORMATION

PRODUCT: CA AKG CAPSULES **ID#** 92636
MFG FOR: PARTICULAR LLC **LOT#** 403004 **MFG DATE:** 05/2024 **EXP DATE:** 05/2026

TESTING DATA

| ITEM DESCRIPTION | SPECIFICATION | METHOD | RESULT |
|------------------|--|--------------|-------------------|
| APPEARANCE | FINE POWDER | ORGANOLEPTIC | FINE POWDER |
| COLOR | WHITE | ORGANOLEPTIC | WHITE |
| SMELL | ALMOST ODORLESS | ORGANOLEPTIC | ALMOST ODORLESS |
| IR SPECTRUM | MATCHES REFERENCE R1955-PQ CORRELATION NLT 0.9500 | USP<197A> | MATCHES REFERENCE |
| LOSS ON DRYING | NMT 7.0% | USP<731> | 0.85% |

CHEMICAL TESTS

| | | | |
|--------------|---------------|-----------|------------|
| LEAD (Pb) | NMT 0.500 PPM | USP<2232> | 0.1674 PPM |
| MERCURY (Hg) | NMT 2.000 PPM | USP<2232> | 0.0445 PPM |
| ARSENIC (As) | NMT 4.000 PPM | USP<2232> | 0.1277 PPM |
| CADMIUM (Cd) | NMT 0.500 PPM | USP<2232> | 0.0031 PPM |

LABEL CLAIM

(As per SOP# QCU-30-017 a minimum of one microingredient and one macroingredient shall be tested)

| | | | |
|--------------------------------|-----------------------|-----------------|-------------------|
| CALCIUM ALPHA KETOGLUTARATE | NLT 500 MG/2 CAPSULES | THIRD PARTY LAB | 572 MG/2 CAPSULES |
|--------------------------------|-----------------------|-----------------|-------------------|

UNIT DOSE

| | | | |
|------------------|----------------------|--------------|-----------|
| CAPSULE SIZE | 00 | ORGANOLEPTIC | 0 |
| CAPSULE MATERIAL | VEGETABLE | USP<197A> | VEGETABLE |
| CAPSULE COLOR | WHITE | ORGANOLEPTIC | WHITE |
| AVERAGE WEIGHT | 591.48mg to 680.82mg | USP<2091> | 610.48 MG |

MICROBIOLOGY ANALYSIS

| | | | |
|-----------------------|--------------|-----------|--------------|
| TOTAL AEROBICAL COUNT | <1,000 CFU/G | USP<2021> | <1 000 CFU/G |
| YEAST & MOLD COUNT | <100 CFU/G | USP<2021> | <100 CFU/G |
| ENTEROBACTERIACEAE | <100 CFU/G | USP<2021> | <100 CFU/G |
| E.COLI | ABSENT/10G | USP<2022> | ABSENT/10G |
| SALMONELLA | ABSENT/10G | USP<2022> | ABSENT/10G |
| STAPHYLOCOCCUS | ABSENT/10G | USP<2022> | ABSENT/10G |

FINAL APPROVAL

REPORTED BY: [Signature] **QUALITY CONTROL** **DATE:** 05.16.2024

RELEASED
 REJECTED **BY:** [Signature] **DATE:** 5/14/2024
QUALITY ASSURANCE

COMMENTS:

Label claim was performed by Certified Laboratories, # 240414-0152.

DOCUMENT CONTROL

SPEC SHEET #

92635

REV 0

WRITTEN: [Signature] **DATE:** 05.16.2024 **APPROVED:** _____ **DATE:** _____