

CERTIFICATE OF ANALYSIS

RE.INV. NO.: SSE13619

DATE: FEB.21,2018

COMMODITY: CITRIC ACID ANHYDROUS FCCVIII/USP FINE GRANULAR
30-100MESH

BATCH NO.:AA-1802-3080

NUMBER:50LB/BAG×880BAGS=19.9584MT

ANALYSIS DATE:FEB.19,2018

MANUFACTURING DATE: FEB.17,2018

EXPIRY DATE:FEB.16,2021

| Item | Unit | STANDARD DATA | ACTUAL DATA |
|------------------------------------|---------|--|-------------|
| CHARACTERS | --- | WHITE CRYSTALLINE POWDERS,COLORLESS CRYSTALS OR GRANULES | PASS TEST |
| IDENTIFICATION | | PASS TEST | PASS TEST |
| COLOR &CLARITY OF SOLUTION | | PASS TEST | PASS TEST |
| TRANSMITTANCE | % | ≥96.0 | 99.0 |
| ASSAY | % | 99.5-100.5 | 99.79 |
| WATER | % | ≤0.5 | 0.22 |
| HEAVY METALS | PPM | ≤5 | 1 |
| OXALATE | PPM | ≤100 | 30 |
| SULPHATE | PPM | ≤150 | 45 |
| CALCIUM | PPM | ≤75 | 5 |
| SULPHATE ASH | % | ≤0.05 | 0.01 |
| READILY CARBONISABLE SUBSTANCES | --- | PASS TEST | PASS TEST |
| ALUMINUM | PPM | ≤0.2 | 0.15 |
| ARSENIC | PPM | ≤1 | 0.1 |
| BACTERIAL ENDOTOXINS | I.U./MG | ≤0.5 | 0.38 |
| CHLORIDE | PPM | ≤50 | 1 |
| IRON | PPM | ≤5 | 1 |
| LEAD | PPM | ≤0.5 | <0.5 |
| MERCURY | PPM | ≤1 | <1 |
| ORGANIC VOLATILE IMPURITY | --- | PASS TEST | PASS TEST |
| TRIDODECYLAMINE | PPM | ≤0.1 | <0.1 |

CONCLUSION: THE QUALITY OF THIS LOT OF GOODS CONFORMING WITH THE
STANDARD FCC/USP. ANALYSIS IS BASED ON IN PRODUCTION LINE CONTROL OR
RANDOM TESTING

BBFY PO NO.: 17255

FDA REGISTRATION:17666026948

บริษัท ซันไชน์ ไบโอเทค อินเตอร์เนชั่นแนล จำกัด
SUNSHINE BIOTECH INTERNATIONAL CO., LTD.