

Essentially Natural

Products with purpose.

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Certificate of Analysis

Report NO.:YXITCR-20231113025-01

Date:NOV.09,2023

Product:CITRIC ACID ANHYDROUS 30-100MESH BP/USP/FCC/E330

Invoice No.:FZYW231021A

Molecular Formula: $C_6H_8O_7$

CAS No.:77-92-9

Quantity:13MT

Batch No.:3AX2310027

Production Date:OCT.2023

Shelf Life:36months

PO0002067

| Item | Unit | Quality Standards | Analysis Results |
|--|-------|--|----------------------|
| Characters | - | White or almost white, crystalline powder, colourless crystals or granules. Odorless, has a strongly acid taste. Very soluble in water, freely soluble in ethanol, very slightly soluble in diethyl ether. | Pass |
| Identification | - | Pass Test | Pass |
| Appearance of solution | - | Pass Test | Pass |
| Assay | % | 99.5-100.5 | 99.9 |
| Water | % | ≤0.5 | 0.11 |
| Readily Carbonisable Substances | - | Pass Test | Pass |
| Sulphated Ash (Residue on Ignition) | % | ≤0.05 | 0.02 |
| Sulfate | mg/kg | ≤50 | <50 |
| Oxalate | mg/kg | ≤50 | <50 |
| Chloride | mg/kg | ≤5 | <5 |
| Lead | mg/kg | ≤0.1 | Not detected (<0.02) |
| Arsenic | mg/kg | ≤0.1 | Not detected (<0.01) |
| Mercury | mg/kg | ≤0.1 | Not detected (<0.01) |
| Aluminium | mg/kg | ≤0.2 | <0.2 |
| Heavy Metals | mg/kg | ≤5 | <5 |
| Bacterial endotoxins | IU/mg | <0.5 | <0.5 |
| pH (5% aqueous solution) | - | — | 1.9 |
| Conclusion: The product is in conformity with BP/USP/FCC/E330/ENSGN and other standard of customer requirements. | | | |

Disclaimer: This information is believed to be current and accurate but is provided without any warranty expressed or implied. Customers are advised to determine in advance the safe conditions for use of this product.