



WEIFANG ENSIGN INDUSTRY CO., LTD.

NO.1567,CHANGSHENG STREET,CHANGLE,WEIFANG,SHANDONG PROVINCE,CHINA

T:+86-536-6298198

Certificate of Analysis

Product: Citric Acid Monohydrate BP98 (8-40MESH)

Date: MAY.03,2012

Molecular Formula: $C_6H_8O_7 \cdot H_2O$

Invoice No.:FZZH120405A

CAS No.: 5949-29-1

Production Date:JAN.2012

Expiry Date: JAN.2014

Lot Numbers.:3MT1201002

Quantity: 100MT

| ITEM | UNIT | Quality Standards | Analysis Results |
|---------------------------------|--------|---|------------------|
| Description | ---- | Colorless Crystals or White Crystalline Powders | Pass |
| Identification | ---- | Pass Test | Pass |
| Appearance of Solution | ---- | Pass Test | Pass |
| Assay | % | 99.5~101.0 | 99.85 |
| Sulphate | PPM | ≤ 150 | <10 |
| Oxalate | PPM | ≤ 100 | <10 |
| Heavy Metal (as Pb) | PPM | ≤ 5 | < 1 |
| Barium | ---- | Pass | Pass |
| Calcium | PPM | ≤ 75 | <20 |
| Iron | PPM | ≤ 5 | <2 |
| Chloride | PPM | ≤ 50 | <10 |
| Sulphated Ash | % | ≤ 0.05 | 0.022 |
| Moisture | % | 7.5—8.8 | 8.4554 |
| Readily Carbonisable Substances | ---- | Less than Standard | Pass |
| Lead | PPM | ≤ 0.5 | <0.1 |
| As | PPM | ≤ 1 | <0.1 |
| Mercury | PPM | ≤ 1 | <0.1 |
| Aluminum | PPM | ≤ 0.2 | <0.2 |
| Bacteria Endotoxin | IU/ mg | <0.5 | <0.5 |
| Organic Volatile Impurities | ---- | Pass | Pass |
| Tridodecylamine | PPM | ≤ 0.1 | <0.1 |
| Ultraviolet Absorbance | ---- | Pass | Pass |

Conclusion: The product is in conformity with BP98.

WEIFANG ENSIGN INDUSTRY CO., LTD.
潍坊英轩实业有限公司

Signature & Stamp