



WEIFANG ENSIGN INDUSTRY CO.,LTD.

NO.1567, CHANGSHENG STREET, CHANGLE, WEIFANG, 262499, SHANDONG PROVINCE, CHINA

Tel: +86-536-6298125 Fax: +86-536-6234587

Certificate of Analysis

Report NO.:YXITCR-20230303105-01

Report Date: 2023-03-03

Product: Citric Acid Monohydrate

Molecular Formula: $C_6H_8O_7 \cdot H_2O$

CAS No.: 5949-29-1

Analysis Date: 2023-03-03

Batch No.: 2MT2303002

Production Date: 2023-03-02

Shelf Life: 36 months

Quantity: 100MT

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	100.0
Water	%	7.5-8.8	8.67
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	< 0.1
Arsenic	mg/kg	≤ 0.1	< 0.1
Mercury	mg/kg	≤ 0.1	< 0.1
Aluminium	mg/kg	≤ 0.2	< 0.2
Heavy Metals	mg/kg	≤ 5	< 5
Bacterial endotoxins	IU/mg	< 0.5	< 0.5

Conclusion: The product is in conformity with BP/USP/FCC/E330/ENSIGN.

Approved by: 陈立刚

Reviewed by: 陈立刚

Prepared by: 刘锦菊

Authorized signatory

