



WEIFANG ENSIGN INDUSTRY CO., LTD.

Certificate of Analysis

Product: Citric Acid Monohydrate 8-40MESH

Molecular Formula: $C_6H_8O_7 \cdot H_2O$

CAS No.: 5949-29-1

Production Date: OCT. 2017

Batch No.: 1MT1710030

Expiry Date: OCT. 2020

Quantity: 48.75MT

Item	Unit	Quality Standards	Analysis Results
Characters	----	White or almost white, crystalline powder, colourless crystals or granules. Odorless, has a strongly acid taste. effloresces in dry air. Very soluble in water, freely soluble in ethanol.	Pass
Identification	----	Pass Test	Pass
Appearance of solution	----	Pass Test	Pass
Assay	%	99.5~100.5	99.9
Water	%	7.5~8.8	8.7
Readily Carbonisable Substances	----	Pass Test	Pass
Sulphated Ash (Residue on Ignition)	%	≤ 0.05	0.02
Sulfate	mg/kg	≤ 150	< 150
Oxalate	mg/kg	≤ 100	20
Lead	mg/kg	≤ 0.5	0.1
Arsenic	mg/kg	≤ 1	0.1
Mercury	mg/kg	≤ 1	0.1
Aluminium	mg/kg	≤ 0.2	< 0.2
Heavy Metals	mg/kg	≤ 10	< 10
Bacterial endotoxins	IU/mg	< 0.5	0.1
Conclusion: The product is in conformity with BP/USP/FCC/E330.			

Signature & Stamp:

