

**ENSIGN****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-20220418041-04

Date: APR 30,2022

Product:CITRIC ACID MONOHYDRATE 8-40MESH BP/USP/FCC/E330

Molecular Formula:C₆H₈O₇•H₂O

CAS No.:5949-29-1

Quantity:26MT

Batch No.:3MT2204102

Production Date: APR 2022

Shelf Life:36months

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	%	7.5-8.8	8.68
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: 李金艳

Prepared by: 李金艳

Authorized signatory

Analysis date:2022-04-13

