



SHANDONG ENSIGN INDUSTRY CO.,LTD.

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

Certificate of Analysis

Report NO.:
Product: Citric Acid Anhydrous
Molecular Formula: C₆H₈O₇
Batch No.:
Quantity:

CAS No.: 77-92-9
Production Date:

Report Date:
Analysis Date:
Shelf Life: 36 months

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	100.1
Water	%	≤0.5	0.09
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:

Prepared by: 刘锦菊

Authorized signatory

