



# SHANDONG ENSIGN INDUSTRY CO., LTD

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## Certificate of Analysis

Report NO.:YXITCR-20240123124-01

Date:JAN.23,2024

Product:CITRIC ACID ANHYDROUS 30-100MESH BP/USP/FCC/E330

Invoice No.:FLXT231220C

Molecular Formula:C<sub>6</sub>H<sub>8</sub>O<sub>7</sub>

CAS No.:77-92-9

Quantity:11 MT

Batch No.:2AX2401245

Production Date:JAN.2024

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	100.0
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
Bacterial endotoxins	IU/mg		<0.5

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

Approved by: 陈立刚

Reviewed by: 刘锦菊

Prepared by: 刘锦菊

Authorized signatory

Analysis date:2024-01-18

