



WEIFANG ENSIGN INDUSTRY CO., LTD.

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Certificate of Analysis

Product: Citric Acid Monohydrate BP98 (8-40 MESH)

Date: JUL.23,2012

Molecular Formula: $C_6H_8O_7 \cdot H_2O$

Invoice No.: FZZH120710C

CAS No.: 5949-29-1

Production Date: JUN.2012

Expiry Date: JUN.2014

Batch No.: 2MT1206074

Quantity: 45MT

ITEM	UNIT	Quality Standards	Analysis Results
Description	----	White Crystalline Powder, Colorless Crystals or Granules	Pass
Identification	----	Pass Test	Pass
Appearance of Solution	----	Pass Test	Pass
Assay	%	99.5~100.5	99.8
Sulphate	PPM	≤ 150	<10
Oxalate	PPM	≤ 100	<10
Chloride	PPM	≤ 50	<5
Heavy Metal (as Pb)	PPM	≤ 5	<1
Calcium	PPM	≤ 75	<10
Iron	PPM	≤ 5	<1
Sulphated Ash	%	≤ 0.05	0.02
Moisture	%	7.5—8.8	8.4265
Readily Carbonisable Substances	----	Not Darker than Standard	Pass
Lead	PPM	≤ 0.5	<0.1
As	PPM	≤ 1	<1
Mercury	PPM	≤ 1	<1
Aluminum	PPM	≤ 0.2	<0.2
Barium	----	Pass	Pass
Bacteria Endotoxin	IU/ mg	<0.5	<0.1
Volatile Organic Impurities	----	Pass	Pass
Tridodecylamine	PPM	≤ 0.1	<0.1
Ultraviolet Absorbance	----	Pass	Pass

Conclusion: The product is in conformity with BP98.

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潍坊英轩实业有限公司

Signature & Stamp: