



# SHANDONG 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-20221119001-11

Product:Tripotassium Citrate Monohydrate

Molecular Formula:C<sub>6</sub>H<sub>5</sub>K<sub>3</sub>O<sub>7</sub>•H<sub>2</sub>O

CAS No.:6100-05-6

Batch No.:5PT2211003

Production Date: 2022-11-12

Shelf Life:24months

Quantity:100g

Item	Unit	Quality Standards	Analysis Results
Characters	-	white or almost white, granular powder or transparent crystals, hygroscopic. very soluble in water, practically insoluble in ethanol	Pass
Identification	-	Pass Test	Pass
Appearance of Solution	-	Pass Test	Pass
Assay	%	99.0~100.5	99.6
Loss on Drying	%	4.0-6.0	5.63
Readily Carbonisable Substances	-	Pass Test	Pass
Alkalinity	-	Pass Test	Pass
PH (5% aqueous solution)	-	7.5~9.0	8.4
Sulfate	mg/kg	≤150	<150
Oxalate	mg/kg	≤100	<100
Chloride	mg/kg	≤50	<50
Sodium	%	≤0.3	<0.3
Lead	mg/kg	≤1	<1
Arsenic	mg/kg	≤1	<1
Mercury	mg/kg	≤1	<1
Heavy Metals	mg/kg		<10
Tartrate	-		Pass

Conclusion: The product is in conformity with BP/USP/FC

Approved by:

陈立刚

Authorized signatory



Reviewed by:

李金艳

Prepared by:

李金艳



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## Certificate of Analysis

Report NO.: YXITCR-20221216042-02

Product: Tripotassium Citrate Monohydrate

Molecular Formula:  $C_6H_5K_3O_7 \cdot H_2O$

CAS No.: 6100-05-6

Batch No.: 5PT2212202

Production Date: 2022-12-16

Shelf Life: 24 months

Quantity: 100g

Item	Unit	Quality Standards	Analysis Results
Characters	-	white or almost white, granular powder or transparent crystals, hygroscopic, very soluble in water, practically insoluble in ethanol	Pass
Identification	-	Pass Test	Pass
Appearance of Solution	-	Pass Test	Pass
Assay	%	99.0~100.5	99.7
Loss on Drying	%	4.0-6.0	5.62
Readily Carbonisable Substances	-	Pass Test	Pass
Alkalinity	-	Pass Test	Pass
PH (5% aqueous solution)	-	7.5~9.0	8.4
Sulfate	mg/kg	≤150	<150
Oxalate	mg/kg	≤100	<100
Chloride	mg/kg	≤50	<50
Sodium	%	≤0.3	<0.3
Lead	mg/kg	≤1	<1
Arsenic	mg/kg	≤1	<1
Mercury	mg/kg	≤1	<1
Heavy Metals	mg/kg	≤10	<10
Tartrate	-	Pass Test	Pass

Conclusion: The product is in conformity with BP/USP/FCC/E332.

Approved by: 陈立刚  
Authorized signatory

Reviewed by:



Prepared by: 李金艳



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Tel: +86-536-6298125 Fax: +86-536-6234587

## Certificate of Analysis

Report NO.:YXITCR-20221216042-01

Product: Tripotassium Citrate Monohydrate

Molecular Formula:  $C_6H_5K_3O_7 \cdot H_2O$

CAS No.:6100-05-6

Batch No.:5PT2212201

Production Date: 2022-12-16

Shelf Life:24months

Quantity:100g

Item	Unit	Quality Standards	Analysis Results
Characters	-	white or almost white, granular powder or transparent crystals, hygroscopic. very soluble in water, practically insoluble in ethanol	Pass
Identification	-	Pass Test	Pass
Appearance of Solution	-	Pass Test	Pass
Assay	%	99.0~100.5	99.6
Loss on Drying	%	4.0-6.0	5.61
Readily Carbonisable Substances	-	Pass Test	Pass
Alkalinity	-	Pass Test	Pass
PH (5% aqueous solution)	-	7.5~9.0	8.4
Sulfate	mg/kg	≤150	<150
Oxalate	mg/kg	≤100	<100
Chloride	mg/kg	≤50	<50
Sodium	%	≤0.3	<0.3
Lead	mg/kg	≤1	<1
Arsenic	mg/kg	≤1	<1
Mercury	mg/kg	≤1	<1
Heavy Metals	mg/kg	≤10	<10
Tartrate	-	Pass Test	Pass

Conclusion: The product is in conformity with BP/USP/FCC/E332.

Approved by: 陈立刚

Reviewed by: [Signature]

Prepared by: 李金艳

Authorized signatory

