



MAINCHIN
Chemicals for all

Tri-Potassium Citrate Monohydrate

Technical Specification

ITEM	Unit	BP	USP	FCC	E 332	GB 1886.74-2015
Characters	/	White Crystalline Powders				
Identification	/	Pass Test				
Color & Clarity of Solution	/	Pass Test	/	/	/	/
Alkalinity	Pass Test	Pass Test	Pass Test	Pass Test	/	Pass Test
Assay	%	99.0 ~ 101.0	99.0 ~ 100.5	99.0 ~ 100.5	≥99.0	99.0 ~ 100.5
Light Transmittance	%	/	/	/	/	≥95.0
Water	%	4.0 ~ 7.0	/	/	/	/
Loss on Drying	%	/	3.0 ~ 6.0	3.0 ~ 6.0	≤6.0	3.0 ~ 6.0
Sodium	%	≤0.3	/	/	/	/
Readily Carbonized Substances	/	Not Darker than Standard	/	/		
Sulphate	ppm	≤150	/	/	/	≤150
Chloride	ppm	≤50	/	/	/	≤50
Oxalate	ppm	≤300	/	/	≤100	≤300
Iron	ppm	/	/	/	/	≤5.0
Calcium	ppm	/	/	/	/	≤200
Lead	ppm	/	/	≤2	≤1	≤2
Arsenic	ppm	/	/	/	≤1	≤1.0
Tartrate	ppm	/	Pass Test	/	/	/
Heavy Metals	ppm	≤10	≤10	/	/	/
PH	ppm	/	/	/	7.5 ~ 9.0	/
Insoluble in water	/	/	/	/	/	Pass Test

MAINCHIN CHEMICALS PRIVATE LIMITED

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Product Characters : White or yellowish crystalline granules or crystalline powders

Executive Standards : /USP/FCC/E332/GB1886.74-2016

Packaging

Small Bags – 25 Kgs net plastic woven bag or composite paper-plastic bags or 3-ply kraft paper bags with PE liner

Big Bag – 500 Kg

Jumbo Bags – 1000 Kg

Uses & Application

Tripotassium Citrate Monohydrate used in food industry, pharmaceutical industry and laboratory analytical reagents. In the food industry it can be used as buffer, chelating agents, stabilizer etc., it can be used for milk and dairy products, jellies, jams, meat, cheese emulsification, citrus preservation etc. In the pharmaceutical industry it's used for hypokalaemia, potassium deficiency and alkaline urine. It can also be used for chemical analysis reagent.

For more information and order, please send us email to citric.acid@mainchingroup.com and visit our websites <https://mainchingroup.com/products/>

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