



# Lianyungang Kede Chemical Industry Co.,Ltd.

ADD:Yunqiao No.8 road,dapu industry park, Lianyungang National Eco&Tech Development

Jiangsu Province,China

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## Potassium Citrate

- Chemical Name: Potassium Citrate
- Formula:  $K_3C_6H_5O_7 \cdot H_2O$
- Molecular Weight: 324.41
- Specificity: white crystal granule or powder, inodorous, readily deliquescence, readily soluble in water or glycerine (1g/0.5ml water), relative density; 1.98, when heated to 230°C,it will melt and decompose.
- Quality standard:

Name of index	BP98	E-332(ii)
Description	White, hygroscopic, granular powder or transparent crystals	
Identification	Positive tests for citrate and for potassium	
Appearance of solution	Clear and colourless	--
Assay(on anhydrous basis),%	99.0—101.0	≥99.0
Chloride ,≤ppm	50	--
Heavy metals (As Pb) ,≤ppm	10	5
Sodium,≤%	0.3	--
Oxalates,≤%	0.03	0.01
Sulphates,≤%	0.015	--
Acidity or Alkalinity	Passes test	--
Reactivity carbonisable substances	Not deeper than standard	--
Loss on drying(180°C,4h)	4.0-7.0	≤6%
pH(5%aqueous solution)	--	7.5-9.0

- USES: In food industry,it is used as buffer, chelate agent, stabilizer, antioxidants , emulsifier, flavor regulator. Used in dairy products,jellies,jam,meat, tinned pastry.Used as emulsifier in cheese and used in citrus freshening. In pharmaceutical, it is used for curing hypokalemia, potassium depletion and alkalization of urine.
- Packing: It is packed with polyethylene bag as inner, and a composite paper bag as the outer layer.The net weight of each bag is 25kg.
- Storage and Transport: It should be stored in a cool, ventilative and dry warehouse,kept



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away from moisture and hot,furthermore, it should be stored separately from poisonous.

Avoid damage to the bags. Its expiry date is eighteen month.

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pH(5%aqueous solution)	--	7.5-9.0
Arsenic(As),≤ppm	--	1
Lead(Pb),≤ppm	--	1
Mercury(Hg),≤ppm	--	1