



Specialized in chemicals

Hefei TNJ Chemical Industry Co.,Ltd.

B911 Xincheng Business Center,  
Qianshan Rd. Hefei 230022 China

Tel : (0086) 551 65418678

Fax: (0086) 551 65418697

Email: info@tnjchem.com

Site: www.tnjchem.com

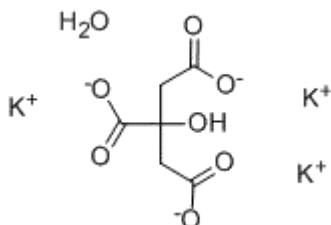
## Technical Data Sheet

### Potassium citrate monohydrate

#### Product Information

Chemical Name	Potassium citrate monohydrate
CAS #	6100-05-6
Formula	C <sub>6</sub> H <sub>7</sub> K <sub>3</sub> O <sub>8</sub>
Synonyms	POTASSIUM CITRATE TRIBASIC

#### Chemical Structure



#### Physical Properties

Melting point:	275 ° C (dec.)(lit.)
Density:	1.98
Solubility:	H <sub>2</sub> O: 1 M at 20 ° C, clear, colorless

#### Specificaton

Item	Unit	BP 2004	USP30	HSCA
Characters		White Crystalline Powder, Colorless Crystals or Granules		
Identification		Pass Test		
Acidity or Alkalinity		Pass Test	Pass Test	Pass Test
Color & Clarity of Solution		Pass Test		
Assay	%	99.5-100.5	99.5-100.5	99.5-100.5

Water	%	4.0-7.0	4.0-7.0	4.0-7.0
Sulphated Ash	%	≤0.1	≤0.1	≤0.05
Sulphate	ppm	≤150		≤50
Oxalate	ppm	≤300		≤100
Chloride	ppm	≤50	/	≤20
Readily carbonizable substances		Pass Test	/	Pass Test
Tartrate			Pass Test	Pass Test
Pyrogens		Pass Test		Pass Test
Heavy Metals	ppm	≤10	≤10	≤5

### Applications

The food industry as a buffering agent, chelating agents, stabilizers, antioxidants, emulsifiers, flavoring agents and the like. Can be used for milk and dairy products, jellies, jams, meats, canned water gel snacks, cheese emulsion, fresh citrus like; pharmaceutical industry for hypokalemia and potassium deficiency and alkaline urine. Can also be made efficient compound fertilizer, it can be used in paper making, gold and other industries.

### Packaging

25kgs/kraft bag  
24tons/1\*20" FCL

### Storage & Handling

Keep container tightly closed. Keep container in a cool, well-ventilated area.

*The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchant ability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall we be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if we has been advised of the possibility of such damages.*

**Hefei TNJ Chemical Industry Co.,Ltd.**

B911 Xincheng Business Center

Tel : (0086) 551 5418695

Qianshan Road, Hefei  
230022 Anhui  
China

Fax: (0086) 551 5418697

Email: [info@tnjchem.com](mailto:info@tnjchem.com)

Site: [www.tnjchem.com](http://www.tnjchem.com)