

**SHOWA KAKO CORPORATION**

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## Quality Specification

**Product : Potassium Citrate**

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<b>Grade</b>	JSFA8
<b>Chemical name</b>	Tripotassium Citrate monohydrate
<b>Chemical formula</b>	$C_6H_5K_3O_7 \cdot H_2O$
<b>M.W.</b>	324.41

### **【 Requirements 】**

<b>Test Item</b>	<b>Specification</b>
<b>Description</b>	Tripotassium citrate occurs as colorless crystals or as a white crystalline powder, and is odorless.
<b>Identification test</b>	Passes the test
<b>Clarity and color of solution</b>	Colorless, almost clear
<b>pH</b>	7.6-9.0
<b>Sulfate</b>	0.024 % max.(as SO <sub>4</sub> )
<b>Heavy metals</b>	10 µg/g max.(as Pb)
<b>Arsenic</b>	4.0 µg/g max.(as As <sub>2</sub> O <sub>3</sub> )
<b>Loss on drying</b>	Not more than 6.5%
<b>Assay</b>	99.0-101.0%