



Specification

Concerning Product:	
Article number	6100056UBLEU
Trade name / designation / denomination	Tri-Kaliumcitrat Monhydrat, EP, BP, USP,
CAS number	6100-05-6
Other names / synonyms	•1,2,3-Propanetricarboxylic acid, 2-hydroxy-, potassium salt, hydrate (1:3:1); •Citrat-Monohydrat; •Tripotassium citrate monohydrate; •tripotassium 2-hydroxypropane-1,2,3-tricarboxylate;
EC number	612-062-1
Customs tariff number / CN code / TARIC	29181500
Molecular weight [g / mol]	306.3946
Formula	C ₆ H ₅ K ₃ O ₇

Parameter	Test Method	Specification	Unit
Organoleptic test			
Colour		complies	
Flavor and taste		Slightly salty	
Odour		odourless	
Physical parameter			
Form	Granular	Max. 1% refusing 1180µm Max. 10% passing 150µm	
Loss on drying		3 – 6	%
pH value		5% aqueous solution 7,9 – 9,0	
Identity			
Assay		99,00 – 100,50	%
Identification		complies	
Impurities			
Free Alkali (Ca(OH) ₂)		complies	%
Heavy Metals (as Pb)		≤ 5	ppm
Oxalate (as anhydros Oxalic Acid)		≤ 100	ppm
Readily carbonizable substances		complies	
Sulphates (SO ₄)		≤ 150	ppm
Impurity	Tartrate	complies	%
Residual Solvents			
Residual solvents		complies	
Elemental Impurities			
Arsenic (As)		≤ 1	ppm
Cadmium (Cd)		≤ 0,2	ppm
Chlorides (Cl)		≤ 50	ppm
Mercury (Hg)		≤ 1	ppm
Sodium (Na)		≤ 0,3	%
Lead (Pb)		≤ 1	ppm

Supplemental information:

Shelf life: Product is stable three years when stored under cool and dry conditions in unopened original packaging.

Packing: 25kg paper bags with polyethylene liner and 500kg or 1.000kg woven polypropylene semi-bulk bags.

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 04. Sep. 2020

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