



Specification

Concerning Product:	
Article number	6100056MPEUL
Trade name / designation / denomination	Trikaliumcitrat Monhydrat, EP, USP, FCC,
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	Specification	Unit
Organoleptic test		
Appearance of solution	complies	
Colour	white to off-white	
Physical parameter		
Acidity/Alkalinity	complies	
Form	crystalline powder	
Loss on drying	(Karl Fischer) 4,0 – 6,0	%
pH value	7,5 – 9,0	
Solubility	in ethanol: slightly soluble	
Solubility	in water: easily soluble	
Identity		
Assay	99,0 – 100,5	%
Identification	Behavior against sulfuric acid: complies	
Identification	complies	
Impurities		
Heavy Metals (as Pb)	≤ 5	ppm
Oxalate (as anhydros Oxalic Acid)	≤ 100	ppm
Sulphates (SO ₄)	≤ 100	ppm
Impurity	Tartrat: complies	%
Volatile substances	organic: complies	
Elemental Impurities		
Arsenic (As)	≤ 1	ppm
Chlorides (Cl)	≤ 15	ppm
Mercury (Hg)	≤ 0,5	ppm
Potassium (K)	35,6 – 36,2	%
Sodium (Na)	≤ 0,3	%
Lead (Pb)	≤ 0,5	ppm

Supplemental information:

Complies with monographie: EP, USP, FCC, E 332

Chemische Werke Hommel GmbH & Co.KG

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Waltrip, 31. Aug. 2020

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