



Specification

Concerning Product:	
Article number	6100056VPEL
Trade name / designation / denomination	Tri-Kaliumcitrat Monhydrat, EP, E 322
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	
Physical parameter		
Acidity/Alkalinity	complies	
Form	white, hygroscopic, granular powder or clear crystals	
Loss on drying	≤ 0,7	%
Loss on drying	(180 °C / 4h) 4,0 – 0,6	%
pH value	(5% in H ₂ O): 7,5 – 9,0	
Solubility	very easy soluble in water and practically insoluble in ethanol	
Identity		
Assay	99,0 – 100,5	%
Identification	A, B: complies	
Impurities		
citrate	complies	
Oxalate (as anhydrous Oxalic Acid)	≤ 100	ppm
Readily carbonizable substances	complies	
Sulphates (SO ₄)	≤ 150	ppm
Elemental Impurities		
Arsenic (As)	≤ 1	ppm
Chlorides (Cl)	≤ 50	ppm
Mercury (Hg)	≤ 1	ppm
Potassium (K)	complies	
Sodium (Na)	≤ 0,3	%
Sodium (Na)	0,0	%
Lead (Pb)	≤ 1	ppm
Fatty Acid composition		
Saturated fatty acids	0,0	g/100g
Nutritional data		
Calories	0,0	kcal
Carbohydrates	0,0	g/100g
All Fats	0,0	g/100g
Dietary Fiber	0,0	g/100g
Protein	0,0	g/100g
Sugar	0,0	

Regulatory information:

Allergens statement: The product meets the requirements of Directive 2000/13 / EC (last amended by Regulation (EC) 596/2009 / EC) and is free from allergens in accordance with Appendix IIIa. Gluten: We hereby confirm that the above-mentioned product may be labeled "gluten-free" in accordance with the provisions of Regulation (EC) No. 41/2009. Latex: We hereby confirm that the above product is free from latex.

Supplemental information:

Shelf life: 2 years from the date of production with recommended storage

Storage conditions: closed, clean and dry

Packing: Kunststoff gewebte Papiersäcke mit PE-Innensack à 25 kg netto, 380 x 670 x 100 (Leermaße)

Plastic woven paper sacks with PE inner sack of 25 kg net, 380 x 670 x 100 (empty dimensions)

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 04. Sep. 2020

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