



## Specification

Concerning Product:	
Article number	6100056NEL
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-Monhydrat; *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 <sub>6</sub> H <sub>5</sub> K <sub>3</sub> O <sub>7</sub>

Parameter	Specification	Unit
<b>Organoleptic test</b>		
Appearance of solution	complies	
Appearance	transparent crystals or white, granular powder	
Flavor and taste	slightly salty	
Odour	odourless	
<b>Physical parameter</b>		
Acidity/Alkalinity	Complies	
Loss on drying	≤ 6,0	%
Loss on drying	4,0 – 7,0	%
pH value	5 % solution 7,5 – 9,0	
Solubility	freely soluble in water, very slightly soluble in alcohol	
<b>Identity</b>		
Assay	99,0 – 101,0	%
Identification	complies	
<b>Impurities</b>		
Heavy Metals (as Pb)	≤ 10	mg/kg
Oxalate (as anhydrous Oxalic Acid)	≤ 100	mg/kg
Readily carbonizable substances	complies	
Sulphates (SO <sub>4</sub> )	≤ 150	mg/kg
<b>Elemental Impurities</b>		
Arsenic (As)	≤ 1	mg/kg
Chlorides (Cl)	≤ 50	mg/kg
Mercury (Hg)	≤ 1	mg/kg
Sodium (Na)	≤ 0,3	%
Lead (Pb)	≤ 1	mg/kg
<b>Microbiological data</b>		
Aerobic microorganisms	≤ 1000	CFU/g
Escherichia Coli.	not detectable in 1 g	CFU/g
Salmonella	not detectable in 25 g	
Yeast and Mould	≤ 200	CFU/g
<b>Particle size distribution</b>		
Particles	< 0.20 mm ≤ 15	%
Particles	> 0.60 mm ≤ 10	%

### Regulatory information:

**Allergens statement:** Information concerning Annex II of Regulation (EU) No 1169/2011 of the European Parliament and of the Council of 25 October 2011 and its amendment (EU) No 78/2014 on substances or products causing allergies or intolerances:

### Supplemental information:

**Shelf life:** Product is stable for at least 60 months from the date of production.

**Storage conditions:** Protect from light and store cool and dry in well-closed original packaging. The temperature should not exceed 25 °C. Stored in the original unopened packaging under appropriate conditions

Chemische Werke Hommel GmbH & Co. KG

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Waltrop, 08. Sep. 2020

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