



Specification

Concerning Product:	
Article number	123422VRI
Trade name / designation / denomination	Diacetonalkohol, rein Diacetone alkohol
CAS number	123-42-2
Other names / synonyms	4-HYDROXY-4-METHYL-2-PENTANONE; 4-Hydroxy-4-methyl-2-pentanone; 4-hydroxy-4-methyl-2-pentanone; 4-hydroxy-4-methylpentan-2-one; DIACETONE ALCOHOL; Diacetone Alcohol;
EC number	204-626-7
Customs tariff number / CN code / TARIC	29144010
Molecular weight [g / mol]	116.15828
Formula	C ₆ H ₁₂ O ₂

Parameter	Specification	Unit
Organoleptic test		
Appearance of solution	(20%,H ₂ O) claar	
Appearance	powder	
Colour	(20%,H ₂ O) colourless to yellow	
Colour	white to yellowish-white	
Physical parameter		
Loss on drying	(120 °C / 4h) ≤ 15	%
pH value	(20%) 4,5 à 6,4	
Identity		
Assay	12,0 à 15,0	%
Impurities		
citrate	Malate 1,28 à 1,65	
Sulphates (SO ₄)	≤ 0,05	%
Elemental Impurities		
Arsenic (As)	≤ 3	ppm
Cadmium (Cd)	≤ 1	ppm
Chlorides (Cl)	≤ 0,05	%
Mercury (Hg)	≤ 0,1	ppm
Lead (Pb)	≤ 2	ppm
Microbiological data		
Aerobic microorganisms	(ISO/LFGB) ≤ 2000	CFU/g
Yeast and Mould	(ISO/LFGB) ≤ 200	CFU/g

Supplemental information:

Usage: The product may be used in food supplements according to directive 2002/46/EC

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 07. Jul. 2021

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