



Specification

Concerning Product:	
Article number	6020877VL
Trade name / designation / denomination	Creatin Monohydrat (food)
CAS number	6020-87-7
Other names / synonyms	•2-[carbamimidoyl(methyl)amino]acetic acid hydrate; •Creatine Monohydrate; •Creatine hydrate; •Glycine, N-(aminoiminomethyl)-N-methyl-, hydrate (1:1); •N-amidinosarcosine hydrate;
EC number	611-954-8
Customs tariff number / CN code / TARIC	29252900
Molecular weight [g / mol]	149.14844
Formula	C ₄ H ₁₁ N ₃ O ₃

Parameter	Specification	Unit
Organoleptic test		
Appearance	white powder	
Physical parameter		
Loss on drying	≤ 12	%
Bulk density	400 – 550	g/ml
Tamped density	550 – 650	g/l
Identity		
Assay	≥ 99,9	%
Impurities		
Cyanide	≤ 1	ppm
Residue on ignition	≤ 0,1	%
Heavy Metals (as Pb)	≤ 10	ppm
Sulphates (SO ₄)	≤ 0,03	%
Impurity	≤ 1	%
Impurity	Dicyanamide ≤ 20	ppm
Impurity	Test of sulfuric acid: no carbonation	
Related substances	Creatinine ≤ 100	ppm

Elemental Impurities		
Arsenic (As)	≤ 1	ppm
Cadmium (Cd)	≤ 1	ppm
Mercury (Hg)	≤ 0,1	ppm
Lead (Pb)	≤ 1	ppm
Microbiological data		
Coliform bacteria	neg.	
Escherichia Coli.	Neg in 1g	CFU/g
Salmonella	neg in 10g	
Staphylococcus Aureus	neg. in 1g	
Total Plate Count	≤ 1000	CFU/g
Yeast and Mould	≤ 100	cfu/g
Particle size distribution		
Particles	200 mesh	%

Supplemental information:

Shelf life: 3 years

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 11. Mar. 2024

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