



Specification

Concerning Product:	
Article number	20470
Trade name / designation / denomination	Aluminiumchlorid-6-hydrat
CAS number	7784-13-6
Other names / synonyms	•Aluminium chloride hexahydrate; •Aluminiumchlorid-6-hydrat; •Aluminum chloride (AlCl ₃), hydrate (1:6);
EC number	616-520-1
Customs tariff number / CN code / TARIC	28273200

Parameter	Test Method	Specification	Unit
Organoleptic test			
Appearance of solution		clear and colourless	
Physical parameter			
Loss on drying	Karl Fischer	42,0 – 48,0	%
pH value	5% / 20°C	2,5 – 3,5	
Identity			
Assay		97,0 – 101,0	%
Assay	calculated on H ₂ O-free substance	95,0 – 102,0	%
Assay		calculated on H ₂ O-free substance]	%
		95,0 – 102,0	
Impurities			
Ammonium		≤ 0,01	%
Free Alkali (Ca(OH) ₂)		≤ 0,5	%
Heavy Metals (as Pb)		≤ 10	ppm
Sulphates (SO ₄)		≤ 100	%
Residual Solvents			
Residual solvents		complies	
Elemental Impurities			
Arsenic (As)		≤ 0,0004	%
Calcium (Ca)		≤ 0,02	%
Iron (Fe)		≤ 10	ppm
Potassium (K)		≤ 0,01	%
Magnesium (Mg)		≤ 0,01	%
Sodium (Na)		≤ 0,1	%

Supplemental information:

Complies with monograph: Ph.Eur.

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 13. Oct. 2020

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