



Specification

Concerning Product:	
Article number	7647145VREUJ
Trade name / designation / denomination	Natriumchlorid chem. rein, EP/USP/JP
CAS number	7647-14-5
Other names / synonyms	•sodium chloride;
EC number	231-598-3
Customs tariff number / CN code / TARIC	25010099
Molecular weight [g / mol]	58,44
Formula	NaCl ClNa

Parameter	Test Method	Specification	Unit
Organoleptic test			
Appearance of solution		clear and colourless	
Appearance		white or almost white, crystalline powder or colourless crystals	
Physical parameter			
Acidity/Alkalinity		(0,01 M NaOH): $\leq 0,5$	ml
Loss on drying		$\leq 0,5$	%
Solubility		freely soluble in water, practically insoluble in anhydrous ethanol	
Identity			
Assay		99,0 – 100,5	%
Identification	Chloride	complies	
Identification	sodium	complies	
Impurities			
Heavy Metals (as Pb)		≤ 3	ppm
Nitrates		$\leq 0,01$	
Phosphate (PO ₄)		≤ 25	ppm
Sulphates (SO ₄)		≤ 200	ppm

Elemental Impurities			
Aluminium (Al)		≤ 0,2	ppm
Arsenic (As)		≤ 1,0	ppm
Barium (Ba)		≤ 10	ppm
Bromine (Br)		≤ 100	ppm
Calcium (Ca)		≤ 100	ppm
Iron (Fe)		≤ 2,0	ppm
Iodine (I ₂)		no blue color	
Potassium (K)		≤ 500	ppm
Magnesium (Mg)		& Alkalimetals: ≤ 100	ppm
Microbiological data			
Bacterial endotoxins		≤ 5	IU/g

Supplemental information:

Storage conditions: This product does not require any special temperature storage conditions. Store in the original, closed package. The product is sensitive to moisture.

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 28. Jun. 2022

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