



Specification

Concerning Product:	
Article number	51058CEP
Trade name / designation / denomination	Procain HCl (WC)
CAS number	51-05-8
Other names / synonyms	•4-aminobenzoic acid 2-(diethylamino)ethyl ester hydrochloride; •procaine hydrochloride;
EC number	200-077-2
Customs tariff number / CN code / TARIC	29224985
Molecular weight [g / mol]	272.77104
Formula	C ₁₃ H ₂₁ ClN ₂ O ₂

Parameter	Specification	Unit
Organoleptic test		
Appearance of solution	clear and colourless	
Appearance	White or almost white, crystalline powder or colourless crystals	
Physical parameter		
Loss on drying	≤ 0,5	%
pH value	5,0 – 6,5	
Identity		
Assay	99,0 – 101,1	%
Identification	Chlorides reaction: It gives reaction of chlorides.	
Identification	IR: corresponds to the reference spectrum	
Melting Point (identity)	154 – 158	°C
Impurities		
Sulphated ash	≤ 0,1	%
Related substances	≤ 0,05	% [w/w]
Residual Solvents		
Residual solvents	Dimethylbenzene: ≤ 2170	ppm
Residual solvents	Ethanol: ≤ 5000	ppm
Residual solvents	Methanol: ≤ 3000	ppm
Microbiological data		
Total Plate Count	≤ 100	CFU/g
Yeast and Mould	≤ 100	CFU/g

Supplemental information:

Shelf life: 2 years

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 09. Oct. 2019

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