



Specification

Concerning Product:	
Article number	6004246V01
Trade name / designation / denomination	Cetylpyridiniumchlorid monohyd, BP
CAS number	6004-24-6
Other names / synonyms	•1-hexadecylpyridin-1-ium chloride hydrate;
EC number	204-593-9
Customs tariff number / CN code / TARIC	29333999
Molecular weight [g / mol]	358.0014
Formula	C ₂₁ H ₄₀ ClNO
Danger  UN 2811/2811, 6.1, II	
<p>Toxic if swallowed. Causes skin irritation. Causes serious eye damage. Fatal if inhaled. May cause respiratory irritation. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects. Do not breathe dust/fume/gas/mist/vapours/spray. Avoid release to the environment. Wear respiratory protection. Dispose of contents/container in accordance with local/regional/(inter)national regulations.</p>	

Parameter	Specification	Unit
Organoleptic test		
Appearance of solution	1% solution is colourless and not more opalescent than reference suspension II.	
Appearance	A white or almost white powder, slightly soapy to touch. An aqueous solution froths copiously when shaken.	
Physical parameter		
Acidity/Alkalinity	Not more than 2.5 ml of 0.02M NaOH solution is required to change the colour of indicator.	
Water content	4.5% to 5.5%, determined on 0.3g	%
Solubility	soluble in water and in alcohol	
Identity		
Assay	(on anhydrous basis) 96,0 – 101,0	%
Identification	B (IR Test):	
Identification	D (Chloride Test):	
Identification	To comply the BP test (B D)	
Impurities		
Sulphated ash	Not more than 0.2%, determined on 1g.	%
Impurity	Amines & amines salts: Titration curve has two inflection points, the volume of titrant added between two points is not greater than 5.0 ml	

Supplemental information:

Shelf life: 3 years

Complies with monographie: BP

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Waltrop, 18. Aug. 2025

LF-Basis: ()

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