



Specification

Concerning Product:	
Article number	67038NLE
Trade name / designation / denomination	Vitamin B1 HCl, EP (Thiamin HCl)
CAS number	67-03-8
Other names / synonyms	•Aneurine hydrochloride; •Vitamin B1 HCl; •thiamine hydrochloride;
EC number	200-641-8
Customs tariff number / CN code / TARIC	29362200
Molecular weight [g / mol]	337,3 g/mol
Formula	C ₁₂ H ₁₈ Cl ₂ N ₄ OS

Parameter	Specification	Unit
Organoleptic test		
Appearance of solution	clear and not more intensely coloured than reference solution Y ₇ or GY ₇	
Appearance	White or almost white, crystalline powder or colourless crystals	
Physical parameter		
Loss on drying	≤ 5,0	%
pH value	2,7 – 3,3	
Identity		
Assay	98,5 – 101,0	%
Identification	reaction of Chlorides	
Infrared absorption spectrometry	conform to the reference	
Impurities		
Sulphated ash	≤ 0,1	%
Sulphates (SO ₄)	≤ 330	ppm
Related substances	Impurity A: ≤ 0,15	%
Related substances	Impurity B: ≤ 0,3	%
Related substances	Impurity C: ≤ 0,15	%
Related substances	total impurities: ≤ 0,5	%
Related substances	unspecified impurities: ≤ 0,1	%
Elemental Impurities		
Arsenic (As)	≤ 0,5	ppm
Cadmium (Cd)	≤ 0,5	ppm

Mercury (Hg)	≤ 0,1	ppm
Lead (Pb)	≤ 0,5	ppm
Microbiological data		
Aerobic microorganisms	≤ 1000	CFU/g
Escherichia Coli.	not detectable in 1 g	
Salmonella	not detectable in 10 g	
Staphylococcus Aureus	neg.	
Yeast and Mould	≤ 200	CFU/g

Regulatory information:

Allergens statement: According to Annex II of Regulation (EU) No **1169/2011** of the European Parliament and of the Council of 25th October 2011 and its amendment (EU) No **78/2014** on substances or products the above mentioned product does NOT cause allergies or intolerances and does NOT contain any allergens which have to be labelled according to these regulations.

BSE/TSE statement: Risk of BSE/TSE contamination can be excluded.

GMO statement: Genetic engineering:

For the above mentioned product there is no obligation for labelling as defined by the Regulations (EC) No **1829/2003** and **1830/2003** of the European Parliament and the Council of 22nd September 2003.

Supplemental information:

Shelf life: 36 month

Derivation: synthetic

Note: Traceability

According to Regulation (EC) No **178/2002** the traceability of the raw materials for the product is guaranteed one step backwards and of produced batches one step forward. All instructions, which are necessary to take these steps, are implemented in the Quality manual and management system according to IFS and BRC.

Storage conditions: Protect from light and store cool and dry in well-closed original packaging. The temperature should not exceed 25 °C.

Usage: The product is suitable for a vegetarian nutrition.

The product is suitable for a vegan nutrition.

The product is suitable for lactose intolerance diet.

The product is suitable for people with coeliac disease and sprue.

The product is in compliance with Jewish dietary laws.

The product is in compliance with Islamic dietary laws.

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 07. May. 2021

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