



## Specification

Concerning Product:	
Article number	67038TLES
Trade name / designation / denomination	Vitamin B1 HCl (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 <sub>12</sub> H <sub>18</sub> Cl <sub>2</sub> N <sub>4</sub> OS

Parameter	Specification	Unit
<b>Organoleptic test</b>		
Appearance	Clear, not more intensely coloured than reference solution Y7 or GY7/	
Appearance	White or almost white crystalline powder or colourless crystals	
<b>Physical parameter</b>		
Loss on drying	≤ 5	%
pH value	2,7 – 3,3	
Solubility	Freely soluble in water, soluble in glycerol, slightly soluble in ethanol (96 %), practically insoluble in heptane	
<b>Identity</b>		
Assay	98,5 – 101	%
Identification	A, B, C: complies	
<b>Impurities</b>		
Heavy Metals (as Pb)	≤ 20	ppm
Sulphated ash	≤ 0,1	%
Sulphates (SO <sub>4</sub> )	≤ 300	ppm
Impurity	total: ≤ 0,5	%
Related substances	Impurity A: ≤ 0,15	%
Related substances	Impurity B: ≤ 0,3	%
Related substances	Impurity C: ≤ 0,15	%
Related substances	Unspecified Impurity (for each) ≤ 0,10	%

### Supplemental information:

**Shelf life:** 3 years from date of production in the unopened original container under recommended storage conditions

**Storage conditions:** Keep in tightly closed original sealed packing in cool, clean and dry place, away from direct sunlight and water.

**Packing:** 25 kg fiber drum or carton with PE-Inliner

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 26. Jan. 2022

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