



## Specification

Concerning Product:	
Article number	67038ALR
Trade name / designation / denomination	Vitamin B1 HCl, Food, Pure
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

Parameter	Test Method	Specification	Unit
<b>Organoleptic test</b>			
Appearance of solution		The solution is clear and not more intensely coloured than reference solution Y7	
Appearance		White or almost white crystalline powder or colorless crystals	
<b>Physical parameter</b>			
Loss on drying	NMT	≤ 5,0	%
pH value		2,7 – 3,4	
Solubility		Freely soluble in water, soluble in glycerol, slightly soluble in alcohol, practically insoluble in heptane	
Solubility		In Wasser gut löslich, in Glycerin löslich, in Alkohol schwer löslich, praktisch unlöslich in Heptan	
<b>Identity</b>			
Assay		98,0 – 102,0	%
Identification		complies	
Melting Point (identity)		about 248, with some decomposition	°C
<b>Impurities</b>			
Residue on ignition	NMT	≤ 2,0	%
Nitrates			
Sulphates (SO <sub>4</sub> )	NMT	≤ 300	ppm
Related substances		≤ 1,0	% [w/w]
Related substances		Impurity A: ≤ 0,15	% [w/w]
Related substances		Impurity B: ≤ 0,3	% [w/w]
Related substances		Impurity C: ≤ 0,15	% [w/w]
Related substances		Total impurities ≤ 0,5	% [w/w]
Related substances		Unspecified impurities ≤ 0,1	% [w/w]
<b>Elemental Impurities</b>			
Arsenic (As)		≤ 2,0	mg/kg
Lead (Pb)		≤ 2,0	mg/kg

### Supplemental information:

**Shelf life:** 36 month

**Storage conditions:** Packed in paper-drums and two plastic-bags inside, 25kg/Drum. Keep in cool

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 22. May. 2020

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