

# Product Specifications

Special Chemicals

Substance name	Thiamine hydrochloride		
Synonym name	Vitamin B1 HCl		
Art No.	A0015033		
CAS No.	67-03-8	Country of origin	Germany
Molecular formula	C <sub>12</sub> H <sub>18</sub> Cl <sub>2</sub> N <sub>4</sub> OS	Molecular weight	337.27
Analytical information			
Appearance	White or almost white, crystalline powder or colourless crystals		
Solubility	Freely soluble in water, soluble in glycerol, slightly soluble in alcohol		
Identification	Conforms		
Assay	98.5-101.0%		
Sulphated ash	≤0.1%		
Sulphates	≤300ppm		
Heavy metals	≤20ppm		
Loss on drying	≤5.0%		
pH	2.7-3.3		
Appearance of solution	Clear and not more intensely coloured than reference solution Y <sub>7</sub> or GY <sub>7</sub>		
Related substances			
Any impurity	≤0.4%		
Total impurities	≤1.0%		
Nutritive values	(determined theoretically) referred to 100g		
Energy	0kJ / 0kcal		
Fat	0.0g		
-of which saturates	0.0g		
Carbohydrate	0.0g		
-of which sugars	0.0g		
Fibre	0.0g		
Protein	0.0g		
Sodium	0.0g		
Salt (as NaCl)	0.0g		
Salt (acc. To 1169/2011/EC)	0.0g		
Microbiology			
Total viable aerobic count	≤1000cfu/g		
Yeast & mould	≤200cfu/g		
E.coli	n.d./1g		
Salmonella	n.d./10g		
Storage	Protect from light and store cool and dry in well-closed original packaging. The temperature should not exceed 25°C.  Stored in the original unopened packaging under appropriate conditions the product is stable for at least 36 months from the date of production. The best before date is printed on the certificate of analysis.		
Does not contain allergens which have to be labelled according to EU regulation No. 1169/2011 and its amendment No. 78/2014 as ingredients.			

