

## CERTIFICATE OF ANALYSIS

Product : **THIAMINE HYDROCHLORIDE**  
 Product number : T0614  
 Batch number : 017575  
 Date of production : 21-06-2021  
 Date of analysis : 21-06-2021  
 Date of expiry : 30-06-2026

Storage conditions : in well-closed non metallic container, protected from light

	SPECIFICATION	RESULT	UNITS	REMARKS
Appearance	white or almost white powder	complies		
Solubility	soluble in water	complies		
Identification	conform	complies		
Appearance of solution	clear and colour $\leq Y_7$ or $GY_7$	complies		5% in H <sub>2</sub> O
pH	2.7 – 3.3	3.1		2.5% in H <sub>2</sub> O
Nitrates	conform	complies		
Sulphates	$\leq 300$	< 300	ppm	
Related compounds	$\leq 1.0$	complies	%	
Lead	$\leq 2$	complies	ppm	
Any impurity	$\leq 0.1$	0.01	%	
Total impurities	$\leq 0.5$	0.02	%	
Water	$\leq 5.0$	1.3	%	
Sulphated ash	$\leq 0.1$	< 0.04	%	
Absorbance of solution	$\leq 0.025$	0.015		
Related substances	conform	complies		
Residual solvents	conform	complies		ethanol, cyclohexane
Assay	98.0 – 102.0	99.3	%	anhydrous substance

This certificate of analysis is conform the results of the manufacturer.

Conclusion: approved

Released by:

drs. M. van Wissen, pharmacist  
 Department of Quality Control Duchefa B.V.

Date: 17-02-2023



The buyer is responsible to test each batch to ensure the product is suitable for their specific purpose.