

## Certificate of Analysis

**Product name:** **Cholinii dihydrogenocitras**  
**Batch number / Weight:** **22K28-B12-232305 / 100 G**  
**Analysed according to:** **Monograph**  
**Number of analysis / Inspection Code** **22K28-B12 / INS-22-10359**  
**Reference Code / No.:** **V01485 / 3025945**

Tests	Requirement	Result	Unit	Standard remark
Appearance	White, crystalline powder	Conform		
Identification A	101 - 105	104,82	°C	
Identification B	Conform	Conform		
Identification C	Conform	Conform		
Identification D	Conform	Conform		
Appearance of solution	Clear / colourless	Conform		
Acidity	Conform	20,0 ml		
pH	3,5 - 4,5	3,85		25%
Trimethylamine	Conform	Conform		
Chlorides	<=250	<250	ppm	
Ammonium salts	Conform	Conform		
Heavy metals	<=20	<20	ppm	
Loss on drying	<=1,0	0,15	%	
Sulphated ash	<=0,1	0,08	%	
Assay Choline dihydrogenocitrate	98,0 - 101,0	99,68	%m/m	Dried
TSE/BSE-statement:	No contamination with TSE/BSE-risk materials	Conform		Data producer
Metallic residues	CHMP/ICH/353369/2013	Conform		Data producer
Residual solvents	CPMP/ICH/82 260/06	Conform		Data producer

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All the manufacturing stages of this batch have been carried out in full compliance with the GMP requirements of the EU and with the national legal requirements.

Analysis performed by the authorized lab EL Spol

Release:  
Dominika Soltysik  
Qualified Person

23-10-2023

Expiration: 21-10-2025

Conclusion: APPROVED

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