

## Certificate of Analysis

**Productname:** Codeinum Monohydricum  
**Number of analysis/Inspection Code:** 1 / KEUR-184047B  
**Batchnumber:** 20D30-F06-371501  
**Reference code / No.:** 4177 / 4/19  
**Analysed according to:** PH.EUR10.1

Tests	Requirement	Result	Unit	Standard remark
Appearance	(Almost) white, crystalline powder or colourless crystals	Conform		
Identification A	155 - 159	157	°C	Melting point
Identification C	Conform	Conform		IR-spectrum
Identification F	Conform	Conform		Loss on drying
Appearance of solution	Clear / colourless	Conform		
Specific optical rotation	-146 - -142	-145		Dried
Related substances	Conform	Conform		HPLC
Impurity A	<=1,0	0,1	%	
Impurity H	<=0,25	n.d.	%	
Impurity C	<=0,2	n.d.	%	
Impurity D	<=0,2	n.d.	%	
Impurity E	<=0,2	0,1	%	
Impurity B	<=0,15	n.d.	%	
Impurity F	<=0,15	n.d.	%	
Impurity G	<=0,15	n.d.	%	
Impurity I	<=0,15	n.d.	%	
Unspecified impurities	<=0,10	n.d.	%	
Total impurities	<=1,5	0,2	%	
Loss on drying	4,0 - 6,0	4,7	%	
Sulphated ash	<=0,1	<0,1	%	
Metallic residues	CHMP/ICH/353369/2013	Conform		Data producer
Residual solvents	CHMP/ICH/82260/2006	Conform		Data producer
Assay Codeine	99,0 - 101,0	100,1	%m/m	Dried
TSE/BSE-statement:	No contamination with TSE/BSE-risk materials	Conform		Data producer

Analysis performed by the authorized laboratory Proxylabs.

Release:

Paul Hofman

Pharmacist - Qualified Person

07/09/20

Expiration: 01-2024

Conclusion: APPROVED

This document has been produced electronically from our quality system and is valid without signature.