

## Certificate of Analysis

**Productname:** Codeini phosphas hemihydr.(90)  
**Number of analysis/Inspection Code:** 1 / KEUR-195249B  
**Batchnumber:** 22D28-F05-382381  
**Reference code / No.:** 3960 / 5060322  
**Analysed according to:** PHEUR10.7+

Tests	Requirement	Result	Unit	Standard remark
Appearance	Fine, (almost) white powder or small colorless crystals	Conform		
Particle size	97% < 90 µm	Conform		
Identification A	Conform	Conform		IR-spectrum
Identification D	1,5 - 3,0	2,3		Loss on drying
Identification E	Conform	Conform		Phosphate
pH	4,0 - 5,0	4,5		4%m/V
Specific optical rotation	-102 - -98	-101		2%m/V; dried
Related substances	Conform	Conform		HPLC
Impurity A	<=1,0	0,6	%	
Impurity H	<=0,25	0,07	%	
Impurity C	<=0,2	<0,05	%	
Impurity D	<=0,2	<0,05	%	
Impurity E	<=0,2	0,1	%	
Impurity B	<=0,15	<0,05	%	
Impurity F	<=0,15	n.d.	%	
Impurity G	<=0,15	<0,05	%	
Impurity I	<=0,15	0,09	%	
Unspecified impurities	<=0,10	n.d.	%	
Total impurities	<=1,5	0,9	%	
Sulphates	<=0,1	<0,1	%	
Loss on drying	1,5 - 3,0	2,3	%	105°C
Metallic residues	CHMP/ICH/353369/2013	Conform		Data producer
Residual solvents	CHMP/ICH/82260/2006	Conform		
Assay Codeini phosph. hemih.	99,0 - 101,0	100,3	%m/m	Dried
TSE/BSE-statement:	No contamination with TSE/BSE-risk materials	Conform		Data producer
CEP	CEP available	Conform		Data producer

Analysis performed by the authorized laboratory Proxylabs.

Release:

Anthony Amoureux

Qualified Person

08/01/22

Expiration: 02-2027

Conclusion: APPROVED

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