

Product Specification

FINAL

Effective from

07.04.2017

## Caffeine Anhydrous Powder

**Art.-No. 704117  
704122  
704204**

CC 17-018 Revision 4

### NOT FOR REGULATORY PURPOSES

Test parameter	Requirement	Test method
<b>Characters</b>		
Appearance	White powder	Visual
<b>Identification</b>		
Identification <sup>(1)</sup>	Must comply	Ph.Eur., USP
Identification (Raman)	Must comply	0001446-Q
<b>Purity tests</b>		
Appearance of solution		Ph.Eur.
Opalescence	Clear	
Colour	Colourless	
Acidity	Must comply	Ph.Eur.
Sulphates <sup>(2)</sup>	≤ 240 ppm	Ph.Eur.
Heavy metals <sup>(2)</sup>	≤ 10 ppm	Ph.Eur.
Loss on drying	≤ 0.5 %	Ph.Eur.
Sulphated ash <sup>(2)</sup>	≤ 0.1 %	Ph.Eur./USP
Residual solvents		P008176
Chloroform <sup>(2)</sup>	≤ 60 ppm	
Related substances / Impurities (HPLC)		Ph.Eur./USP
Unspecified impurities, each	≤ 0.10 %	
Total impurities	≤ 0.10 %	
<b>Assay</b>		
Assay (HPLC)calculated on the dried substance	98.5 to 101.0 %	USP
Assay (titrimetric)calculated on the dried substance	98.5 to 101.5 %	Ph.Eur.
<b>Functionality tests</b>		
Particle size		A000508
< 0.300 mm (No. 50)	≥ 95 %	

<sup>(1)</sup> May also be guaranteed by other means/methods (General Notices of Ph.Eur., USP)

<sup>(2)</sup> Not routinely tested

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The product meets the requirements of this specification.

Caffeine Anhydrous Powder meets the test requirements stipulated in the current version of the following monograph(s): 'Caffeine' of Ph.Eur., USP, JP, IP

This document is valid without signature.

The aforementioned data shall constitute the agreed contractual quality of the product at the time of passing of risk. The data are controlled at regular intervals as part of our quality assurance program. SELLER MAKES NO WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, BY FACT OR LAW, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. The statements under the heading "Characters" are not to be interpreted in a strict sense and are not requirements.