



Specification

Concerning Product:	
Article number	22820
Trade name / designation / denomination	Coffein wasserfrei
CAS number	58-08-2
Other names / synonyms	•caffeine; •Caffeine Anhydrous ; •1,3,7-trimethylpurine-2,6-dione;
EC number	200-362-1
EC index number	613-086-00-5
Customs tariff number / CN code / TARIC	29393000
Molecular weight [g / mol]	194.1906
Formula	C ₈ H ₁₀ N ₄ O ₂
Warning  -/-, ,	
Harmful if swallowed. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Dispose of contents/container in accordance with local/regional/(inter)national regulations.	

Parameter	Specification	Unit
Organoleptic test		
Appearance of solution	clear and colorless	
Appearance	white crystalline powder	
Physical parameter		
Acidity/Alkalinity	(0.01 mol/L NaOH) ≤ 0.2	ml
Loss on drying	≤ 0.5	% [w/w]
Melting range	234 – 239	°C
Identity		
Assay	98.5 – 101.5	% [w/w]
Assay	HPLC: 98.5 – 101.0	% [w/w]
Identification	HPLC: conforms to the chromatography of the standard preparation	

Identification	IR: conforms to reference spectrum	
Impurities		
Residue on ignition	≤ 0.1	% [w/w]
Heavy Metals (as Pb)	≤ 0.001	% [w/w]
Sulphated ash	≤ 0.1	% [w/w]
Sulphates (SO ₄)	≤ 500	ppm
Impurity	single impurity (HPLC): ≤ 0.1	% [w/w]
Impurity	total impurities (HPLC): ≤ 0.1	% [w/w]

Regulatory information:

Residual solvents:

Chloroform: 60 ppm

Supplemental information:

Shelf life:

4 years

Complies with monographie:

BP2017/EP9.0/USP39/R1-CEP2003-027-Rev03

Regional origin:

CN

Chemische Werke Hommel GmbH & Co.KG

This document was generated electronically and is valid without signature.

Waltrop, 24. Oct. 2018

We only confirm that we took over the data from our supplier accordingly. Despite careful working, errors in the takeover are not totally excluded. Some or all parts of the document may be translated due to our best knowledge from the original to give a better understanding. If you have any questions about specific details, please call us directly. Unless otherwise marked, these data do not originate from us and have not been tested by us on the correctness. The above information corresponds to the present state of our knowledge and is intended as a general description of our products and their possible applications. We make no warranties, expressed or implied, as to the information's accuracy, adequacy, sufficiency or freedom from defect and assume no liability in connection with any use of this information. Any user of this product is responsible for determining the suitability of our products for its particular application. The foregoing information does not absolve the buyer of its own tests. Observing existing laws and regulations, is the responsibility of the buyer of our product. Nothing included in this information waives any of our General Terms and Conditions of Sale, which control unless it agrees other in writing. Any existing intellectual/industrial property rights must be observed. Due to possible changes in our products and applicable national and international regulations and laws, the status of our products could change. Material Safety Data Sheets providing safety precautions, that should be observed when handling or storing our products, are available upon request and are provided in compliance with applicable law. The user should obtain and review the applicable Material Safety Data Sheet information before handling any of these products. For additional information, please contact us.