



Spezifikation

Produktbezug:	
Produktnummer	22820
Handelsname / Bezeichnung	Coffein wasserfrei
CAS Nummer	58-08-2
Andere Bezeichnungen / Synonyme	•Coffein; •caffeine; •Coffein wasserfrei; •Caffeine Anhydrous ; •1,3,7-Trimethylxantin; •1,3,7-trimethylpurine-2,6-dione; •Coffein wasserfrei;
EG Nummer	200-362-1
EG-Index-Nummer	613-086-00-5
Zolltarifnummer / CN- Code	29393000
Molekulargewicht [g/mol]	194.1906
Formel	C ₈ H ₁₀ N ₄ O ₂
Achtung  -/-, ,	
Gesundheitsschädlich bei Verschlucken. Gesundheitsschädlich beim Einatmen. Nach Gebrauch gründlich waschen. Bei Gebrauch nicht essen, trinken oder rauchen. Entsorgung des Inhalt/Behälter gemäß den örtlichen / regionalen / (inter)nationale Vorschriften.	

Parameter	Spezifikation	Einheit
Sensorische Prüfung		
Aussehen der Lösung	klar und farblos	
Aussehen	weißes, kristallines Pulver	
Physikalische Parameter		
Säuregehalt	(0.01 mol/L NaOH) ≤ 0.2	ml
Trocknungsverlust	≤ 0.5	% [w/w]
Schmelzbereich	234 – 239	°C
Identifikation		
Gehalt	98.5 – 101.5	% [w/w]
Gehalt	HPLC: 98.5 – 101.0	% [w/w]
Identifizierung	HPLC: entspricht dem Chromatogramm des Referenzstandards	

Identifizierung	IR: entspricht dem Referenzspektrum	
Verunreinigungen		
Glührückstand	≤ 0.1	% [w/w]
Schwermetalle (als Pb)	≤ 0.001	% [w/w]
Sulphatasche	≤ 0.1	% [w/w]
Sulphat (SO ₄)	≤ 500	ppm
Verunreinigung	einzelne Verunreinigung (HPLC): ≤ 0.1	% [w/w]
Verunreinigung	gesamte Verunreinigungen (HPLC): ≤ 0.1	% [w/w]

Regulatorische Informationen:

Restlösemittel:

Chloroform: 60 ppm

Zusätzliche Angaben:

Mindesthaltbarkeit:

4 Jahre

Entspricht der Monographie:

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

Verpackung:

25-kg-Trommel mit PE-Beutel

regionaler Ursprung:

CN

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 24. Oct. 2018

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