



Spezifikation

Produktbezug:	
Produktnummer	58082TE
Handelsname / Bezeichnung	Coffein wasserfrei, CN
CAS Nummer	58-08-2
Andere Bezeichnungen / Synonyme	•1,3,7-Trimethylxantin; •1,3,7-trimethylpurine-2,6-dione; •Caffeine Anhydrous ; •Coffein; •Coffein wasserfrei; •caffeine;
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  UN -/-, ,	
Gesundheitsschädlich bei Verschlucken. Nach Gebrauch gründlich waschen. Bei Gebrauch nicht essen, trinken oder rauchen. Entsorgung des Inhalt/Behälter gemäß den örtlichen / regionalen / (inter)nationale Vorschriften.	

Parameter	Specification	Unit
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	Chloroform: ≤ 60	%
Verunreinigung	einzelne Verunreinigung: ≤ 0.1	% [w/w]
Verunreinigung	gesamte Verunreinigungen: ≤ 0.1	% [w/w]

Zusätzliche Angaben:

Mindesthaltbarkeit: 4 Jahre

Entspricht der Monographie: BP2024/EP11.0/USP2023/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, 16. Jan. 2025

LF-Basis: ()

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