



Spezifikation

Produktbezug:	
Produktnummer	21510
Handelsname / Bezeichnung	Butamirat-dihydrogencitrat
CAS Nummer	18109-81-4
Andere Bezeichnungen / Synonyme	2-hydroxypropane-1,2,3-tricarboxylic acid; 2-phenylbutanoic acid 2-[2-(diethylamino)ethoxy]ethyl ester; Butamirat-dihydrogencitrat; Butamirate Dihydrogencitrate; diethyl[2-[2-(2-phenylbutyroyloxy)ethoxy]ethyl]ammonium dihydrogen citrate;
EG Nummer	242-006-8
Molekulargewicht [g/mol]	499.55128
Formel	C ₂₄ H ₃₇ NO ₁₀

Parameter	Methode	Spezifikation	Einheit
Sensorische Prüfung			
Aussehen der Lösung		klar, $\leq Y_6$	
Aussehen		Weißes bis leicht gelbes, klumpiges, wachartiges Pulver	
Physikalische Parameter			
Trocknungsverlust		$\leq 1,0$	%
pH-Wert		3,50 \hat{a} 4,00	
Identifikation			
Gehalt		98,5 \hat{a} 101,0	%
Identifizierung	TLC	positive	
Identifizierung		Test auf Citrate: positiv	
Infrarot Spektroskopie		entspricht dem Standard	
Schmelzpunkt (Identität)		74,0 \hat{a} 78,0	°C
UV-Spektroskopie		entspricht dem Standardspektrum	
Verunreinigungen			
Schwermetalle (als Pb)		≤ 10	ppm

Leicht carbonisierbare Substanzen		â€ BY ₅	
Sulphatasche		≤ 0,1	%
Verunreinigung	TLC	≤ 0,10	%
Verunreinigung	HPLC	B1: ≤ 0,15	%
Verunreinigung	HPLC	B2: ≤ 0,15	%
Verunreinigung	HPLC	C: ≤ 0,15	%
Verunreinigung	HPLC	D: ≤ 0,10	%
Verunreinigung	HPLC	gesamt: ≤ 1,0	%
Verunreinigung	HPLC	jeweils: ≤ 0,10	%
RestlÃ¶semittel			
Aceton		≤ 5000	ppm
Petroleum Ether		≤ 5000	ppm
Toluen		≤ 890	ppm
Elementare Verunreinigungen			
Chloride (Cl)		≤ 50	ppm
Mikrobiologische Daten			
Aerobe Mikroorganismen		≤ 1000	CFU/g
Escherichia Coli.		neg.	
Schimmel und Hefe		≤ 100	

ZusÃ¤tzliche Angaben:

Mindesthaltbarkeit: 2 Jahre

Version des Herstellers: 8

Zusammenfassung: Das Produkt erfÃ¼llt die Anforderungen der AP 016/F076/C.

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 26. Sep. 2021

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