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Spezifikation

Produktbezug:	
Produktnummer	298146LPEL
Handelsname / Bezeichnung	Kaliumhydrogencarbonat
CAS Nummer	298-14-6
Andere Bezeichnungen / Synonyme	•Kalium Bicarbonat E 501; •Kaliumbicarbonat; •Kaliumhydrogencarbonat; •Potassium bicarbonate; •potassium hydrogen carbonate; •potassium hydrogencarbonate;
EG Nummer	206-059-0
Zolltarifnummer / CN-Code	28364000
Molekulargewicht [g/mol]	100,12
Formel	KHCO ₃ CHKO ₃

Parameter	Spezifikation	Einheit
Sensorische Prüfung		
Aussehen der Lösung	klar und farblos	
Aussehen	weißes, kristallines Pulver	
Physikalische Parameter		
Dichte	~ 2,17*	g/ml
Unlösliche Anteile	in H ₂ O: ≤ 50	ppm
Trocknungsverlust	≤ 0,2	%
pH-Wert	8,0 – 8,6	
Schüttdichte	gestampft / tamped: 1140 – 1250	g/ml
Schüttdichte	lose / loose: 990 – 1120	g/ml
Löslichkeit	@ 20°C: ~ 25%*	
Löslichkeit	@ 60°C: ~ 40%*	
Löslichkeit	frei löslich in Wasser, nahezu unlöslich in Ethanol	
Identifikation		
Gehalt	KHCO ₃ : 99,5 – 101,0	%

Identifizierung	entspricht	
Verunreinigungen		
Schwermetalle (als Pb)	≤ 3	ppm
Sulphat (SO ₄)	≤ 20	ppm
Verunreinigung	CO ₃ : entspricht	
Verunreinigung	K ₂ CO ₃ : ≤ 2,5	%
Verunreinigung	NH ₄ : ≤ 20	ppm
Elementare Verunreinigungen		
Arsen (As)	≤ 1	ppm
Calcium (Ca)	≤ 20	ppm
Chloride (Cl)	≤ 10	ppm
Eisen (Fe)	≤ 10	ppm
Quecksilber (Hg)	≤ 1	ppm
Natrium (Na)	≤ 0,025	%

Anmerkung:

* nur als typischer Wert verfügbar

Zusätzliche Angaben:

Entspricht der Monographie: EP, FCC, E 501(ii)

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 27. Jul. 2021

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