



Spezifikation

Produktbezug:	
Produktnummer	584087MPELUV
Handelsname / Bezeichnung	Kaliumcarbonat, Pulv, EP, FCC, E 501(ii)
CAS Nummer	584-08-7
Andere Bezeichnungen / Synonyme	•Kaliumcarbonat; •potassium carbonate; •dipotassium carbonate; •Kaliumcarbonat;
EG Nummer	209-529-3
Zolltarifnummer / CN-Code	28364000
Molekulargewicht [g/mol]	138,21
Formel	K ₂ CO ₃ CK ₂ O ₃
<small>Venursacht Hautreizungen. Venursacht schwere Augenreizung. Kann die Atemwege reizen. BEI KONTAKT MIT DEN AUGEN: Eventuell vorhandene Kontaktlinsen nach Möglichkeit entfernen. Weiter ausspülen. Einige Minuten lang behutsam mit Wasser ausspülen. Mit viel Wasser und Seife waschen.</small>	

Parameter	Spezifikation	Einheit
Sensorische Prüfung		
Aussehen der Lösung	klar und farblos	
Aussehen	weißes, feinkristallines Pulver	
Physikalische Parameter		
Dichte	ca. 2,17	g/ml *
Unlösliche Anteile	in H ₂ O: ≤ 50	ppm
Trocknungsverlust	≤ 0,2	%
pH-Wert	8,0 – 8,6	
Schüttdichte	gestampft: 1140 – 1250	g/L
Schüttdichte	lose: 990 – 1120	g/L
Löslichkeit	(in H ₂ O @ 20°C): ca. 25	% *
Löslichkeit	(in H ₂ O @ 60°C): ca. 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
Nitrate	≤ 20	ppm
Sulphat (SO ₄)	≤ 20	ppm
Verunreinigung	CO ₃ : entspricht	
Verunreinigung	K ₂ CO ₃ : ≤ 2,5	%
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	%
Blei (Pb)	≤ 1	ppm

Anmerkung:

* nur als typischer Wert verfügbar

Zusätzliche Angaben:

Freigabe des Herstellers: 2017-12-01

Hinweis: Zersetzungstemperatur: ca. 127 °C *

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

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 04. Feb. 2019

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