



Spezifikation

Produktbezug:	
Produktnummer	584087MPELUV
Handelsname / Bezeichnung	Kaliumcarbonat, Pulv, EP, FCC, E 501(ii)
CAS Nummer	584-08-7
Andere Bezeichnungen / Synonyme	•Kaliumcarbonat; •dipotassium carbonate; •potassium carbonate;
EG Nummer	209-529-3
Zolltarifnummer / CN-Code	28364000
Molekulargewicht [g/mol]	138,21
Formel	K ₂ CO ₃ CK ₂ O ₃
Verursacht Hautreizungen. Verursacht 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.	

Parameter	Specification	Unit
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 – 8,5	
Schüttdichte	lose: 1,25 – 1,35	g/cm ³
Löslichkeit	(@ 20°C): ca. 33	% *
Löslichkeit	(@ 60°C): ca. 67	% *
Löslichkeit	frei löslich in Wasser, nahezu unlöslich in Ethanol (96%)	
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
Partikelgrößenverteilung		
Partikel	(>500µm) ≤ 5	%
Partikel	ca. 15µm	%

Anmerkung:

* nur als typischer Wert verfügbar

Zusätzliche Angaben:

Hinweis: Zersetzungstemperatur: ca. 198 °C *

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

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 19. Jul. 2024

LF-Basis: 4 (2024-07-18)

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