



Spezifikation

Produktbezug:	
Produktnummer	584087MPELV
Handelsname / Bezeichnung	Kaliumcarbonat, Pulver, EP, E501(i)
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	entspricht	
Aussehen	weißes, feinkristallines Pulver	
Physikalische Parameter		
Dichte	ca. 2,4	g/ml *
Trocknungsverlust	≤ 0,8	%
Schmelzbereich	≥ 890	°C *
Schüttdichte	550 – 650	g/L
Löslichkeit	in 100g H ₂ O @ 20°C: ca. 110 g	% *
Löslichkeit	in 100g H ₂ O @ 60°C: ca. 127 g	% *
Identifikation		
Gehalt	99 – 100	%
Identifizierung	entspricht	
Verunreinigungen		
Schwermetalle (als Pb)	≤ 1	ppm
Sulphat (SO ₄)	≤ 50	ppm
Verunreinigung	KOH: ≤ 0,15	%

Elementare Verunreinigungen		
Arsen (As)	≤ 1	ppm
Calcium (Ca)	≤ 100	ppm
Chloride (Cl)	≤ 30	ppm
Eisen (Fe)	≤ 5	ppm
Quecksilber (Hg)	≤ 1	ppm
Natrium (Na)	≤ 0,25	%
Blei (Pb)	≤ 1	ppm
Silicium (Si)	≤ 20	ppm
Partikelgrößenverteilung		
Partikel	< 100µm 80 – 90	%*

Anmerkung:

* nur als typischer Wert verfügbar

Zusätzliche Angaben:

Hinweis: Zersetzungstemperatur: ca. 891 °C*

Entspricht der Monographie: EP, E 501(i)

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 20. Sep. 2024

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