



## Spezifikation

Produktbezug:	
Produktnummer	471341MFC
Handelsname / Bezeichnung	Calciumcarbonat, schwer, Lebensmittel E 170, FCC
CAS Nummer	471-34-1
Andere Bezeichnungen / Synonyme	•Calciumcarbonat; •E 170; •calcium carbonate;
EG Nummer	207-439-9
Zolltarifnummer / CN-Code	28365000
Molekulargewicht [g/mol]	100.0869
Formel	CCaO <sub>3</sub>

Parameter	Methode	Spezifikation	Einheit
<b>Sensorische Prüfung</b>			
Aussehen		weißes Pulver	
Farbe		Weißgrad (I-Wert) 96,4 – 98,4	
Geruch		geruchlos	
<b>Physikalische Parameter</b>			
Trocknungsverlust		≤ 0,25	%
Trocknungsverlust		≤ 2,0	%
Löslichkeit		fast unlöslich	
<b>Identifikation</b>			
Gehalt		98,0 – 105,0	%
Identifizierung		entspricht	
<b>Verunreinigungen</b>			
Unlösliche Verunreinigungen		≤ 0,2	
Verunreinigung		Sb, Cu, Cr, Zn, Ba ≤ 100	ppm
<b>Elementare Verunreinigungen</b>			
Arsen (As)		≤ 3	ppm
Cadmium (Cd)		≤ 1	ppm
Fluor (F)		≤ 50	ppm
Magnesium (Mg)		and alkali salts ≤ 1,0	%
Blei (Pb)		≤ 3	ppm
<b>Partikelgrößenverteilung</b>			
Partikel	D50	4,0 – 6,0	µm
Partikel	D97	≤ 21	µm

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 14. Feb. 2022

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