



## Specification

Concerning Product:	
Article number	471341SLF
Trade name / designation / denomination	Calciumcarbonat, schwer, Lebensmittel E 170, FCC
CAS number	471-34-1
Other names / synonyms	•E 170; •calcium carbonate;
EC number	207-439-9
Customs tariff number / CN code / TARIC	28365000
Molecular weight [g / mol]	100.0869
Formula	CCaO <sub>3</sub>

Parameter	Specification	Unit
<b>Organoleptic test</b>		
Appearance	white powder	
Odour	odourless	
<b>Physical parameter</b>		
Loss on drying	≤ 0,25	%
Loss on drying	≤ 2,0	%
Solubility	almost insoluble	
<b>Identity</b>		
Assay	Weiß (I-Wert) 96,4 – 98,4	
Assay	Whiteness (I value) 96,4 – 98,4	
Identification	complies	
<b>Impurities</b>		
Insoluble impurities	in acid ≤ 0,2	%
<b>Elemental Impurities</b>		
Arsenic (As)	≤ 3	ppm
Barium (Ba)	≤ 100	ppm
Calcium (Ca)	CaCO <sub>3</sub> (E 170) ≥ 98	%
Calcium (Ca)	CaCO <sub>3</sub> (FCC) 98 – 100,5	%
Cadmium (Cd)	≤ 1	ppm
Chromium (Cr)	≤ 100	ppm
Copper (Cu)	≤ 100	ppm
Fluorine (F)	≤ 50	ppm
Magnesium (Mg)	and alkali salts ≤ 1,0	%
Lead (Pb)	≤ 3	ppm
Antimon (Sb)	≤ 100	ppm
Zinc (Zn)	≤ 100	ppm
<b>Particle size distribution</b>		
Particles	(D50) 4,0 – 6,0	µm
Particles	(D97) ≤ 21,0	µm

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 17. Feb. 2022

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