



Specification

Concerning Product:	
Article number	471341LPEULV
Trade name / designation / denomination	Calciumcarbonate, heavy, EP, USP, E170
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 ₃

Parameter	Specification	Unit
Organoleptic test		
Appearance	white powder	
Physical parameter		
Substances insoluble	in Acetic acid: $\leq 0,2$	%
Loss on drying	(200 °C / 4h) $\leq 2,0$	%
Bulk density	approx. 800.0	g/l
Identity		
Assay	(on dried basis) 98,5 – 100,5	%
Identification	complies	
Impurities		
Heavy Metals (as Pb)	$\leq 0,002$	%
Sulphates (SO ₄)	$\leq 0,25$	%
Elemental Impurities		
Arsenic (As)	$\leq 0,0003$	%
Barium (Ba)	complies: $\leq 0,01$	%
Cadmium (Cd)	$\leq 0,0001$	%
Chlorides (Cl)	$\leq 0,033$	%
Chromium (Cr)	$\leq 0,01$	%
Copper (Cu)	$\leq 0,01$	%
Fluorine (F)	≤ 50	ppm
Iron (Fe)	$\leq 0,02$	%
Mercury (Hg)	$\leq 0,5$	ppm
Magnesium (Mg)	and alkali salts $\leq 1,0$	%
Lead (Pb)	$\leq 0,0003$	%
Antimon (Sb)	$\leq 0,01$	%
Zinc (Zn)	$\leq 0,01$	%
Microbiological data		
Total Plate Count	≤ 2000	CFU/g
Yeast and Mould	≤ 200	CFU/g

Supplemental information:

Complies with monographie: Ph.Eur.9.Ed., USP 42, E 170

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 06. Dec. 2019

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