

## Calcium carbonate – technical grade

**Chemical name:** Calcium carbonate

**Chemical formula:** CaCO<sub>3</sub>

**General description:** CaCO<sub>3</sub> is a filler made from natural calcium carbonate of an exceptionally high whiteness and chemical purity.

### Specifications:

Parameters	Units	Guaranteed	Specific	Method
CaCO <sub>3</sub>	%	Min. 98	-	Pp3_1.22
MgCO <sub>3</sub>	%	-	0,5	Analyzed by an external laboratory
Fe <sub>2</sub> O <sub>3</sub>	%	-	0,004	
SiO <sub>2</sub>	%	-	0,03	
Loss of ignition	%	-	43,6	-
HCl insoluble content	%	-	0,04	-
Brightness	-	-	96	ISO 2470
Yellowness	-	-	<3,5	ISO 2470
Whiteness R457	-	Min. 90	94	ISO 2470
Oil absorption	g/100g	-	17	ISO 787/5
DOP absorption	g/100g	-	25	ISO 787/5
pH value	-	8 - 12	9	ISO 787/9
Moisture	%	Min. 0,5	< 0,5	ISO 787/2
Bulk density	g/ml	Min. 0,25	0,75	ISO 787/11
Density after tamping	g/ml	-	1,0	ISO 787/11
Specific surface area	m <sup>2</sup> /g	-	2,9	-
Hardness by Mohs	-	-	3	-
Particle size distribution D98%	µm	-	20	-
Particle size distribution D50%	µm	-	3,0-4,0	-
Residue on sieve 45µm	%	Max. 0,2	<0,2	Pp3_1.21

**Packaging:** 25 kg three-layer paper bags with PE filling, on one-way pallet (675 kg or 900 kg net) wrapped around by PE film or laminated big bags (according to customer requirements).



**Applications:** It is used as a filler, in the production of paints and varnishes in the manufacture of floor coverings and in the rubber industry.

**Storage:** Store it in covered dry places in original bags.

**Date of update:** 1. 10. 2014

**Vodní sklo, a.s. | Praha 1 | Nové Město | Krakovská 1346/15 | PSČ 110 01 | IČ: 279 21 662**

pobočka: Brno | Dornych 47 | PSČ 656 16 | tel.: +420 530 530 000 | fax: + 420 530 530 002 | e-mail: [info@vodnisko.cz](mailto:info@vodnisko.cz) | [www.vodnisklo.cz](http://www.vodnisklo.cz)  
pobočka: Ústí nad Labem | U Tonasa 172/2 | PSČ 403 31 | tel.: +420 475 245 362 | fax: + 420 475 507 164 | e-mail: [info@vodnisko.cz](mailto:info@vodnisko.cz) | [www.vodnisklo.cz](http://www.vodnisklo.cz)