

Sampling date 17.11.2023	<b>Inspection certificate</b> <b>Qualitymanagementsystem</b>
Material 3201	

<b>Name of sample:</b>	Dolomite 32 µm, milled,
<b>Sampling point:</b>	Sack 20231117
<b>Analysing person:</b>	laboratory
<b>Description:</b>	Milled dolomite is a white coloured natural raw mineral.

<b>Analysed parameters, frequency of analysis and method of analysis:</b>		
main components	once a week	X-ray fluorescence analysis, Spectro Q ii
Iron as Fe <sub>2</sub> O <sub>3</sub>	once a week	X-ray fluorescence analysis, Spectro Q ii
Loss on ignition	once a week	annealing kiln, 90 min at 1150 °C
Loss on drying	once a week	drying chamber, 24 h at 120 °C
Residue	in batch quantities	Air sieve Fa. Alpine
Grain size distribution	in batch quantities	CILAS laser-analyser 920 L, dispersion in water with Natriumpolyphosphat

<b>CaO</b>	30,72 [ma-%]
<b>MgO</b>	21,50 [ma-%]
<b>SiO<sub>2</sub></b>	0,001 [ma-%]
<b>Al<sub>2</sub>O<sub>3</sub></b>	0,012 [ma-%]
<b>Loss on ignition</b>	47,76 [ma-%]
<b>Fe<sub>2</sub>O<sub>3</sub></b>	0,006 [ma-%]
<b>Loss on drying</b>	0,10 [ma-%]
<b>Residue at 32 µm</b>	0,98 [ma-%]
<b>Residue at 40 µm</b>	0,0 [ma-%]

<b>Storage stability:</b>	If stored appropriate and dry, there is a storage stability of about 3 - 5 years.
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17.11.2023  
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date

laboratory  
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prepared by

Bezeichnung : 3201 32 µm  
 Probenart : Dolomitmehl 32 µm  
 Probenherkunft : Sack  
 Kommentar : 20231117  
 Flüssigkeit : Wasser  
 Dispergiermittel : NaPoly  
 Benutzer 1 : Aßmann

Datum : 17.11.2023 Zeit : 10:47:39  
 Messung Nummer : 11221

Ultraschall : 120 s  
 Konzentration : 230  
 Durchmesser 10% : 0.59 µm  
 Durchmesser 50% : 4.11 µm  
 Durchmesser 97% : 30.02 µm  
 Mittlerer Durchmesser : 8.20 µm  
 Fraunhofer  
 Dichte/Formfaktor : -----  
 Spez. Oberfläche : -----  
 Verdünnung : Nein / Nein  
 Mess./Spülz. : 20/20/3  
 SOP : 920L

### Benutzerdefinierte Durchmesser

### in volume / Durchgang

x	0.30	1.00	2.00	3.00	5.00	7.00	10.00	12.00	15.00	20.00
Q3	3.12	19.02	31.54	41.95	54.45	61.89	69.64	73.47	78.53	86.73

x	25.00	32.00	40.00	50.00	63.00	70.00	80.00	90.00	100.0	180.0
Q3	93.27	98.30	99.86	100.00	100.00	100.00	100.00	100.00	100.00	100.00

x : Durchmesser / µm    Q3 : kumulative Werte / %    q3 : Histogramm

