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**JURAPERLE MM****Chemical analysis of JURAPERLE**

CaCO <sub>3</sub>	(DIN EN 15309)	97,7 %
MgCO <sub>3</sub>	(DIN EN 15309)	0,6 %
Fe <sub>2</sub> O <sub>3</sub>	(DIN EN 15309)	0,1 %
Al <sub>2</sub> O <sub>3</sub>	(DIN EN 15309)	0,4 %
SiO <sub>2</sub> (Silicates)	(DIN EN 15309)	0,5 %
Volatile matter (105°C)	(DIN EN ISO 787-2)	< 0,2 %
Loss on ignition	(DIN EN 459-2)	43,0 %
HCl-insoluble	(DIN 55 918)	0,7 %

**Physical data**

Loose bulk density		1,0 g/cm <sup>3</sup>
Packed bulk density	(DIN EN ISO 787-11)	1,7 g/cm <sup>3</sup>
pH value	(DIN EN ISO 787-9)	9,6
Density	(DIN EN ISO 787-10)	2,7 g/cm <sup>3</sup>
Hardness (Mohs)		3

**Optical properties**

Brightness	(C/2°, DIN 53 163)	78,1
Yellow-index	(DIN 6167)	17,9
CIELAB-Colour values	(DIN 6174)	L* 90,8
		a* 3,8
		b* 8,8

The above data are average values from numerous measurements, published without legal commitment.

### **Sieve analysis (DIN EN 933-10)**

Percentage of particles finer than	180 $\mu\text{m}$	99,5 %
	90 $\mu\text{m}$	86 %
	40 $\mu\text{m}$	56 %

### **Particle size distribution (Laser-Granulometer)**

Percentage of particles finer than	21 $\mu\text{m}$	50 %
	16 $\mu\text{m}$	42 %
	8 $\mu\text{m}$	34 %
	4 $\mu\text{m}$	22 %
	2 $\mu\text{m}$	13 %

Mean particle size: 24  $\mu\text{m}$

### **Particle size distribution curve of JURAPERLE MM (Laser-Granulometer Sympatec Helos R3, Air jet sieve)**

