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JURAPERLE 15

Chemical analysis of JURAPERLE

CaCO ₃	98,1	%
MgCO ₃	0,9	%
Fe ₂ O ₃	0,08	%
Al ₂ O ₃	0,35	%
SiO ₂ (Silicates)	0,55	%
Volatile matter (105°C)	(DIN EN ISO 787-2)	< 0,2 %
Loss on ignition	(DIN EN 459-2)	43,3 %
HCl-insoluble	(DIN 55 918)	0,8 %

Physical data

Loose bulk density		0,75 g/cm ³
Packed bulk density	(DIN EN ISO 787-11)	1,5 g/cm ³
Oil absorption	(DIN EN ISO 787-5)	13 g/100g
DOP absorption	(DIN EN ISO 787-5)	19 g/100g
Electrical conductivity (10%)	(DIN ISO 787-14)	47 µS/cm
pH value	(DIN EN ISO 787-9)	9,6
Density	(DIN EN ISO 787-10)	2,7 g/cm ³
Hardness (Mohs)		3
Refractive index		1,59

Optical properties

Brightness	(C/2 ⁰ , DIN 53 163)	82
Yellow-index	(DIN 6167)	15,5
CIELAB-Colour values	(DIN 6174)	L* 92,8
		a* 0,3
		b* 7,7

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

Sieve analysis (DIN 53 734)

Percentage of particles finer than	180 µm	99,8 %
	90 µm	95 %
	40 µm	80 %

Particle size distribution (Laser-Granulometer)

Percentage of particles finer than	16 µm	72 %
	8 µm	60 %
	4 µm	39 %
	2 µm	20 %

Mean particle size: 7,0 µm

**Particle size distribution curve of JURAPERLE 15
(Laser-Granulometer Sympatec Helos R3, Air jet sieve)**

