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JURAPERLE 15

Chemical analysis of JURAPERLE

CaCO ₃	(DIN EN 15309)	97,5 %
MgCO ₃	(DIN EN 15309)	0,4 %
Fe ₂ O ₃	(DIN EN 15309)	0,1 %
Al ₂ O ₃	(DIN EN 15309)	0,2 %
SiO ₂ (Silikate)	(DIN EN 15309)	0,8 %
Volatile matter (105°)	(DIN EN ISO 787-2)	< 0,2 %
Loss on ignition	(DIN EN 459-2)	42,9 %
HCl-insoluble	(DIN 55 918)	1 %

Physical data

Loose bulk density		0,8 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 EN 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
Refractive index		1,6
Hardness (Mohs)		3

Optical properties

Brightness	(C/2 ⁰ , DIN 53163)	82	
Yellow-index	(DIN 6167)	15	
CIELAB-Colour values	(DIN 6174)	L*	92,6
		a*	0,6
		b*	7,6

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	96 %
	40 μm	76 %

Particle size distribution (Laser-Granulometer)

Percentage of particles finer than	16 μm	77 %
	8 μm	65 %
	4 μm	45 %
	2 μm	22 %

Mean particle size: 6,0 μm

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

