



EDUARD MERKLE GMBH & CO. KG

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JURAPERLE LM**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		1,35 g/cm ³
Packed bulk density	(DIN EN ISO 787-11)	1,65 g/cm ³
Electrical conductivity (10%)	(DIN ISO 787-14)	48 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

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

Sieve analysis (DIN 53 734)

Percentage of particles finer than	630 μm	98	%
	500 μm	92	%
	315 μm	66	%
	180 μm	30	%
	90 μm	8	%

Mean particle size: 250 μm

**Particle size distribution curve of JURAPERLE LM
(Air jet sieve)**

