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**ULMER WEISS 10 H****Chemical analysis of ULMER WEISS**

CaCO <sub>3</sub>	99,2	%
MgCO <sub>3</sub>	0,4	%
Fe <sub>2</sub> O <sub>3</sub>	0,035	%
Al <sub>2</sub> O <sub>3</sub>	0,1	%
SiO <sub>2</sub> (Silicates)	0,25	%
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 <sup>3</sup>
Packed bulk density	(DIN EN ISO 787-11)	1,4 g/cm <sup>3</sup>
Oil absorption	(DIN EN ISO 787-5)	15 g/100g
DOP absorption	(DIN EN ISO 787-5)	24 g/100g
Electrical conductivity (10%)	(DIN ISO 787-14)	45 µS/cm
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
Refractive index		1,59

**Optical properties**

Brightness	(C/2 <sup>0</sup> , DIN 53 163)	87,5
Yellow-index	(DIN 6167)	10,7
CIELAB-Colour values	(DIN 6174)	L* 94,9 a* 0,1 b* 5,5

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

**Sieve analysis (DIN 53 734)**

Percentage of particles finer than	90 $\mu\text{m}$	99 %
	40 $\mu\text{m}$	93 %

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

Percentage of particles finer than	16 $\mu\text{m}$	75 %
	8 $\mu\text{m}$	58 %
	4 $\mu\text{m}$	38 %
	2 $\mu\text{m}$	17 %

Mean particle size: 6,2  $\mu\text{m}$

**Particle size distribution curve of ULMER WEISS 10 H  
(Laser-Granulometer Sympatec Helos R3, Air jet sieve)**

