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**ULMER WEISS XMF****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)	43,8 %
HCl-insoluble	(DIN 55 918)	0,3 %

**Physical Data**

Loose bulk density		0,61 g/cm <sup>3</sup>
Packed bulk density	(DIN EN ISO 787-11)	1,15 g/cm <sup>3</sup>
Oil absorption	(DIN EN ISO 787-5)	18 g/100g
DOP absorption	(DIN EN ISO 787-5)	34 g/100g
Electrical conductivity (10%)	(DIN ISO 787-14)	71 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°, DIN 53163)	91
Yellow-index	(DIN 6167)	7
CIELAB-Colour values	(DIN 6174)	L* 96,6 a* - 0,1 b* 3,6

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

**Sieve analysis (DIN 53734)**

Percentage of particles finer than 40 µm >99,9 %

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

Percentage of particles finer than	12 µm	99,2 %
	8 µm	94 %
	4 µm	65 %
	2 µm	34 %

Mean particle size: 3,0 µm

**Particle size distribution curve of ULMER WEISS XMF  
(Laser-Granulometer Sympatec Helos R3)**

