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ULMER WEISS XM**Chemical analysis of ULMER WEISS**

| | | |
|--------------------------------|--------------------|---------|
| CaCO ₃ | 99,2 % | |
| MgCO ₃ | 0,4 % | |
| Fe ₂ O ₃ | 0,035 % | |
| Al ₂ O ₃ | 0,1 % | |
| SiO ₂ (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 | | 0,75 g/cm ³ |
| Packed bulk density | (DIN EN ISO 787-11) | 1,4 g/cm ³ |
| Oil absorption | (DIN EN ISO 787-5) | 16 g/100g |
| DOP absorption | (DIN EN ISO 787-5) | 28 g/100g |
| Electrical conductivity (10%) | (DIN ISO 787-14) | 43 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°, DIN 53 163) | 92 |
| Yellow-index | (DIN 6167) | 7,6 |
| CIELAB-Colour values | (DIN 6174) | L* 97 a* -0,1 b* 4,0 |

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

Sieve analysis (DIN 53 734)

Percentage of particles finer than 40 μm 99,9 %

Particle size distribution (Laser-Granulometer)

Percentage of particles finer than
28 μm 98,5 %
16 μm 91 %
8 μm 70 %
4 μm 44 %
2 μm 25 %

Mean particle size: 5,0 μm

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

