

## Ulmer Weißkalkmilch 36 - Ulmer Weißkalk

**Ulmer Weißkalkmilch 36** (milk of lime) is produced from natural Jurassic limestone which is burned at temperatures below the sintering temperature, then finely ground and air-classified. White hydrated lime is produced by subsequent dry-slaking. To produce **Ulmer Weisskalkmilch 36** water is added to the hydrated lime.

**Properties:** The main chemical component of Ulmer Weisskalkmilch is calcium hydroxide. This has a strongly basic effect, the pH-value is 12.4. It is therefore suitable for increasing the pH-value or for neutralizing acids. Calcium hydroxide forms chemical compounds with many substances that are difficult to dissolve. This is used in separation and precipitation reactions. Ulmer Weisskalkmilch 36 is characterized by its high chemical purity (very low content of secondary elements).

**Applications:** Various application possibilities, for example in the:

- Drinking water and water treatment (adjustment of water hardness by softening or hardening)
- Wastewater treatment (precipitation and flocculation of metal ions, separation of sulfate, chloride, fluoride, phosphate, reduces odor nuisance)
- chemical industry or galvanic processes as lye or for neutralization in chemical processes
- Agriculture to adjust the pH-value in biogas plants
- Sugar Industry

**Processing:** When processing Märker milk of lime, avoid contact with skin and eyes. The wearing of suitable protective clothing is mandatory.

**Standard:** White hydrated lime suspension 36% according to EN 12518 (Chemicals used for treatment of water intended for human consumption - High-calcium lime)

**Quality control:** In-house production control and external monitoring of the used white lime hydrate by the institut for Kalk- und Mörtelforschung e. V., Köln

**Supply:** in bulk by tank trucks, available in Harburg (South of Germany)

<b>Type analysis (dry substance)</b>	Ca(OH) <sub>2</sub> calculated	≥ 92 %
	CaO	≥ 73 %
	MgO	≤ 0.5 %
	SiO <sub>2</sub>	≤ 1 %
	Fe <sub>2</sub> O <sub>3</sub>	≤ 0.3 %
	Al <sub>2</sub> O <sub>3</sub>	≤ 0.4 %
	SO <sub>3</sub>	≤ 0.2 %
<b>Physical data:</b>	Density of the suspension	1270 kg/m <sup>3</sup>

Please refer to our current safety data sheets according to EC Regulation No. 1907/2006 for tips on handling our products. Any information, product descriptions or technical data provided in this publication is without warranty and any liability is excluded. The values in our data sheets are average values based on numerous measurements.

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