

## Albaphos® KL

### Combined action product for water treatment in air conditioning systems

#### APPLICATION

Albaphos® KL is used for the prevention of scale formation and corrosion, as well as the prevention of the growth of biological flora in air conditioning and cooling systems.

#### SPECIFICATION

Active agents:	mix of phosphonic acids and isothiazoline
Form:	liquid
Ability to dissolve:	completely water-dissolveable
Density (20°C)	about 1,06 g/cm <sup>3</sup>
pH value (1%):	about 2 - 3
P2O5 quantity:	about 2 %
Freezing point:	about 0°C

#### ACTION

Effectively stabilizes the formation of carbonate scale in water, which carbonate hardness up to 7.2 mg-eqv/l. The product inhibits corrosion on steel surfaces at a concentration of 150 mg/l.

The biological components contained in Albaphos® KL effectively remove a wide range of microorganisms in air-conditioning systems. At the same time, this product guarantees hygienic treatment of the system with minimal costs.

#### DOSAGE

The required quantity of Albaphos® KL depends on system parameters and water quality. Typically, the recommended dose of Albaphos® KL to the feed water is 100-200 mg/l. The product is dosed with the help of a dispenser, which should be made of acid-resistant materials.

#### ANALYTIC CONTROL

The concentration of Albaphos® KL in cooling water is determined by the colorimetry method P2O5 (organic phosphorus): 1 mg/l (g/m<sup>3</sup>) 50 mg/l (g/m<sup>3</sup>) Albaphos® KL.

#### STORAGE

In a tightly closed container in a cool place.

#### PACKAGING

Plastic bins (20 kg) and containers (1000 litres).

#### PROCESS CONTROL

Technical control of the process is required to assess the effectiveness of the use of this reagent. For this purpose, the technical consulting department of ŠOMIS has been created to provide consulting and control analysis. Technical consultations and maintenance are carried out under a separate agreement.

#### CERTIFICATION

Our quality management system (ISO 9001:2008) and environmental management system (ISO 14001:2005) are DQS certified.

#### NOTE

The information provided is based on practical experience. We guarantee high quality of the product. The described product has a specific range of activities. Water composition, technical conditions and specifics of production may not correspond to this product's range of action. In this case, we can offer you solutions based on other products.