

HorolithRobot

Description

Powerful acid cleaner for automatic milking systems (AMS) , standard milking equipment and milk tanks.

Strengths

HorolithRobot is a liquid, non-foaming acidic product for descaling and cleaning of AMS and other milking equipment.

The application of **HorolithRobot** provides the following key benefits:

- Excellent cleaning properties for mineral deposits
- For all temperatures (40°C - 95°C)
- Non foaming
- Good material compatibility

Properties

Appearance:	Light yellow liquid
Key ingredient(s):	Phosphoric acid, Citric acid
pH at 20°C:	0.9 – 1.5
Density at 20°C(g/cm ³):	1.185 - 1.225
Storage temperature:	-5°C to +40°C

Application 1	What:	AMS cleaner
	When:	After milking
	How:	Follow the AMS cleaning routine.
	Use concentration:	Same as above. Follow the AMS cleaning routine. To be used in rotation aligning with robot cleaning program with AseptoRobot Clean (water temperatures above 75°) or AseptoRobot Des (water temperatures below 75°).
	Recommendation:	

Application 2	What:	Milking equipment (non AMS) cleaner
	When:	Milking installation: after milking Milk tanks: after emptying
	How:	Pre-clean with water. Clean with HorolithRobot . Rinse with water of drinking quality.
	Use concentration:	0.5% (minimum 10 minutes at 40°C - 50°C)
	Recommendation:	To be used in daily rotation with AseptoRobot Clean or AseptoRobot Des .

Material compatibility Not affecting rubber of teat cups. Applicable in combination with stainless steel, steel, rubbers and synthetics.

Monitoring

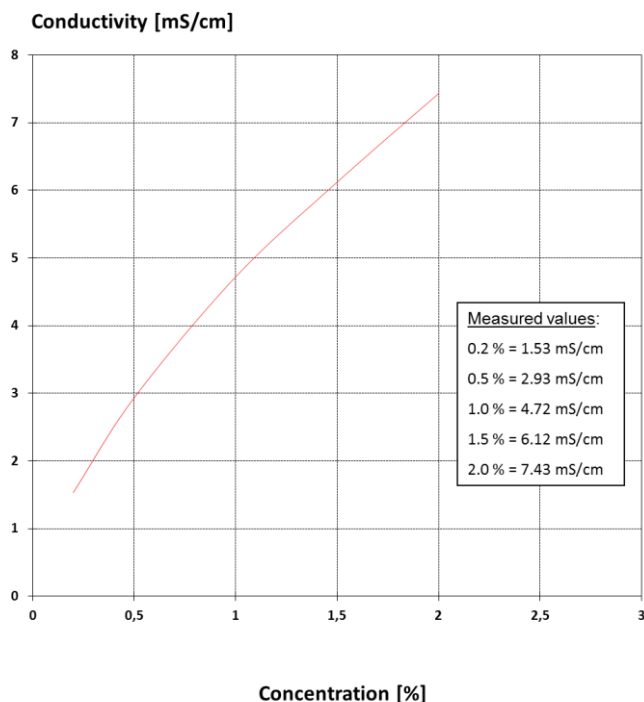
Concentration determination

Titration	Receiving flask:	100 ml application solution
	Titration solution:	1N NaOH
	Indicator:	Thymol blue (0.04% in ethanol)
	Titration factor:	0.1426
	color change:	yellow → blue
	Volume added in ml (1N NaOH) x 0.1426 = % HorolithRobot	

Conductivity Specific conductivity of **HorolithRobot**

HorolithRobot (FC 906890)

Spec. Conductivity (20 °C, 0 °d)
Temperature coefficient: α 0.88 %/°C



Safety & Precautions

The relevant hazards identifications of **HorolithRobot** are given in the EC Safety Data Sheet. If any questions arise in this context please contact your Ecolab representative.

Keep container tightly closed after use. Store in original container between -5°C and +40°C. Do not empty product into drain. Dispose of packaging only if emptied and closed.

Always read the label and product information before use.

The statements, information and data presented herein are believed to be accurate and reliable. The information describes the characteristic features of **HorolithRobot** in ordinary use but can not be taken as a guarantee, express warranty or implied warranty for the suitability for a particular purpose and shall not extend mandatory warranty rights (if any). The specifications and performance may vary subject to the operational conditions. Since numerous parameters will influence product performance and applicability, this information does not exonerate the user from liability with respect to the suitability of the product and the appropriate safety measures to be taken. Moreover, a possible infringement of patent rights must be avoided at all times.

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