

HorolithForce

Description Powerful acidic cleaner for milking equipment and milk tanks.

Strengths **HorolithForce** is a liquid, highly acidic product for descaling and cleaning of milking equipment.

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

- Excellent cleaning properties
- Prevents build up of milk stone and iron deposits
- Good material compatibility
- Low foaming

Properties

Appearance:	Colourless liquid
Key ingredient(s):	Inorganic acids
pH at 20°C:	0.5 – 1.0
Density at 20°C (g/cm ³):	1.165 - 1.180
Storage temperature:	-20°C to +40°C

Application

What:	Milking equipment cleaner
When:	Milking installation: after milking Milk tanks: after emptying
How:	Pre-clean with water, clean with HorolithForce , and rinse with water of drinking quality.
Use concentration:	0.5 – 1.0 % (minimum 10 min. at 40 – 50°C)
Recommendation:	To be used in daily rotation with AseptoForce

Material compatibility

HorolithForce is compatible with the commonly used materials of milking equipment.

Monitoring

Concentration determination

Titration

Receiving flask:	100 ml application solution
Titration solution:	1N NaOH
Indicator:	Thymol blue (0.04% in ethanol)
Titration factor:	0.218
color change:	Adding of 0.5g Na ₂ S ₂ O ₃ red/pink→orange→yellow→blue

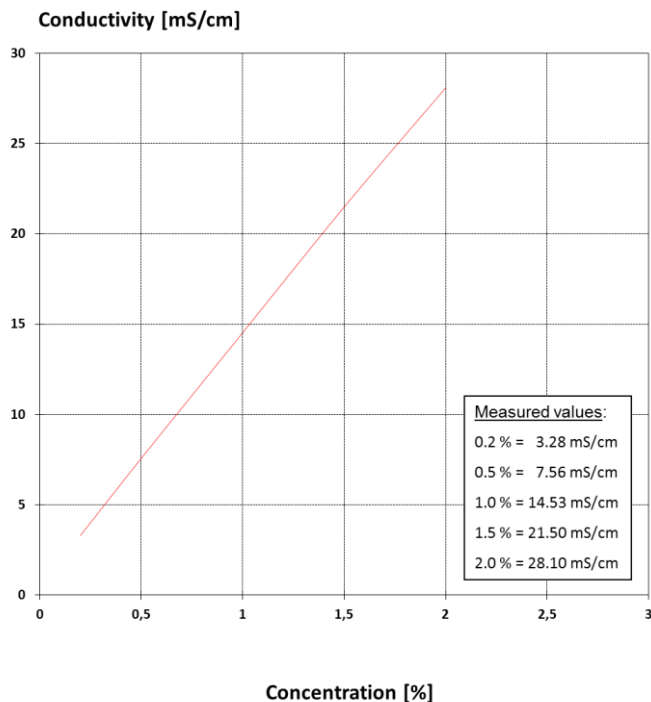
Volume added in ml (1N NaOH) x 0.218 = % **HorolithForce**

Conductivity

Specific conductivity of **HorolithForce**

HorolithForce (FC 913250)

Spec. Conductivity (20 °C, 0 °d)
Temperature coefficient: α 1.31 %/°C



Safety & Precautions

The relevant hazards identifications of HorolithForce 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 -20°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 **HorolithForce** 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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