



**F&B Aluwash**

**VA3**

## Aluminium safe low foaming acidic detergent

### Description

Aluwash is a low foam, phosphoric acid based liquid detergent descaler, for use in a wide range of applications in the food and beverage industry and is suitable for use on aluminium.

### Key properties

- Aluwash is a low foam (50-70°C) acidic liquid detergent descaler suitable for use in spraywashing (e.g. trays), keg washing and CIP in the food and beverage industry.
- Aluwash is suitable for use on aluminium.
- Aluwash is highly acidic and effective at removing inorganic deposits and other soils.
- Aluwash is a conductive liquid detergent and suitable for automatic dosing and control.

### Benefits

- Low foam properties at normal use temperatures (50-70°C) give improved cleaning performance under conditions of pressure and turbulence.
- Highly effective at removing most inorganic scale deposits, improving operational efficiency of equipment and giving enhanced cleaning performance.
- Inhibited against attack on aluminium, extending the life of equipment and items cleaned.
- Suitable for automatic dosing and control by conductivity, ensuring consistent delivery of product.

### Use instructions

Typical use concentrations for Aluwash are 0.4-3% w/w (0.3-2.3% v/v) depending on application, soil and water hardness.

Aluwash should be used above 50°C for optimal performance. Foam may be generated at lower temperatures.

Typical use concentration for manual cleaning is 1-3%.

Aluwash containing solutions should be thoroughly rinsed after use to remove them from all food and beverage contact surfaces.





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#### Technical data

Appearance: Clear, colourless liquid

pH (1% solution at 20°C): 2

Relative density (20°C): 1.31

Chemical Oxygen Demand (COD): 47 gO<sub>2</sub>/kg

Nitrogen Content (N): <1 g/kg

Phosphorous Content (P): 145 g/kg

**Aluwash [% w/w] - Specific conductivity at 25°C [mS/cm]: -**

0.5 - 4.3

1 - 6.7

2 - 10.3

3 - 13.4

4 - 16.2

5 - 18.8

*The above data is typical of normal production and should not be taken as a specification.*

#### Safe handling and storage information

Store in original closed containers, away from extreme temperatures. Full guidance on the handling and disposal of this product is provided in a separate Safety Data Sheet.

#### Product compatibility

Aluwash is safe for use on materials commonly found in the beverage and food industry when applied under the recommended conditions. Avoid prolonged contact of the neat product with stainless steel surfaces. In the event of uncertainty it is advisable to evaluate individual materials before any prolonged use.

#### Test method

##### Reagents:

0.1 N Sodium hydroxide solution

Phenolphthalein indicator

##### Procedure:

Add 2-3 drops of the indicator solution to 10 ml of the test solution.

Titrate with the caustic to a red end point.

##### Calculation:

% w/w Aluwash = titre (ml) x 0.11

% v/v Aluwash = titre (ml) x 0.083