

Divosan Mezzo

Conductive peracetic acid based disinfectant

VT7

Description

Divosan Mezzo is a highly effective oxidising disinfectant based on conductive peracetic acid for use in the food, beverage and dairy industries.

Key properties

Divosan Mezzo is a stabilised peracetic acid solution (2.5%) which also contains inorganic acid to act as a conductivity tracer. It is a highly effective disinfectant against all types of micro-organisms including bacteria, yeasts, fungi, spores and viruses.

Divosan Mezzo is specifically formulated as a terminal disinfectant for use in automated CIP systems. It also has excellent deodorising and stain removal properties.

Divosan Mezzo is recommended for use in CIP systems having suitable conductivity dosing equipment.

Divosan Mezzo can be used for soaking application to clean and disinfect small components.

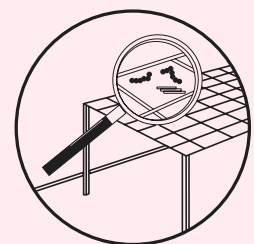
Benefits

- Effective CIP disinfectant, specially developed for automated injection with suitable conductivity dosing equipment
- Versatile product, can be used in breweries, dairies, soft drinks plants and throughout the processed food industry
- Powerful oxidising action also assists stain removal and deodorises
- Free-rinsing and non-tainting ensures safe for all food applications
- Suitable for use in soft or hard water

Use instructions

Use **Divosan Mezzo** at concentrations between 0.25-8% w/w (0.2-7% v/v) depending on application. Use **Divosan Mezzo** at concentrations between 1.0 - 2.0 %w/w (0.9-1.8%v/v) for soaking application to clean and disinfect small components.

Always rinse thoroughly after use. For specific details, please refer to individual method cards.



Divosan[™]

Divosan Mezzo

Technical data

Appearance	clear, colourless liquid
Relative Density at 20°C	1.14
pH (1% solution at 20°C)	2.2
Chemical Oxygen Demand (COD)	none
Nitrogen Content (N)	18 g/kg
Phosphorous Content (P)	< 0.1 g/kg

Divosan Mezzo [% w/w]	Specific conductivity at 25°C [mS/cm]
0.1	0.56
0.2	1.10
0.4	2.13
0.6	3.11
0.8	4.16
1.0	5.20
2.0	9.99
3.0	15.07
4.0	19.71
5.0	24.00

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 sunlight and extremes of temperature. Full guidance on the handling and disposal of this product is provided in a separate Material Safety Data Sheet.

Product compatibility

Divosan Mezzo when applied at the recommended concentration and temperature is suitable for use on the grades of stainless steel commonly found in the processed food industry. It is unsuitable for use on cuprous materials and on soft metals such as aluminium. Always rinse surfaces after use (within 1 hour).

Test method

Reagents: 0.1N Potassium permanganate
0.1N Sodium thiosulphate
Potassium iodide (10%)
Sulphuric acid (25%)

Procedure:

If the sample which contains peracetic acid is warm, put it in an ice bath to cool down until room temperature (20°C). For more accurate results and repeatability cooling the test solutions to 4 to 8 degrees will help. Higher temperatures of the sample can lead to an error in the peracetic acid determination. Add 5 ml of sulphuric acid solution to 50 ml of test solution. Titrate with the potassium permanganate solution until a faint pink colour persists (add the titrant quickly at the beginning and slowly towards the end of titration). Then add 10 ml potassium iodide solution (the solution turns into the orange-brown colour) and titrate with sodium thiosulphate until colourless.

Calculation: % w/w **Divosan Mezzo** = titre (ml) x 0.30
ppm peracetic acid (PAA) = titre (ml) x 76

Microbiological data

EN 1276: passed at 0.125% dilution in hard water (300ppm as CaCO₃), low soil (0.3g/l bovine albumin), 5 minutes contact time at 20°C.

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