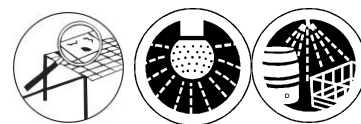


# BS Farmacip



## Acidic non-foaming detergent for CIP (phosphate and nitrate free) - disinfectant

### BS Farmacip:

- is used for cleaning and disinfection of milking equipment;
- the surfactants contained in it reduce the surface tension of the washing solutions and increase the efficiency of the washing solutions;
- dissolves inorganic deposits and oxidizes organic impurities;
- solutions are easy to rinse, do not foam;
- is suitable for washing curd and cheese molds in the dairy industry. The curd particles stick less efficiently to the mold surface after washing with **BS Farmacip**;
- suitable for washing boxes in box washing machines;
- can be used for washing all acid-resistant surfaces (also for aluminum);
- Free of phosphorus and nitrogen.

### Product composition

Provided in Safety Data Sheets.

### Instructions for use

Product **BS Farmacip** is used as an acidic detergent in one- and two-stage washing systems. Due to the surfactants in composition, **BS Farmacip** can be used in single-stage washing systems, e.g. for washing of milk transport vehicles, milk tanks and molds. The recommended concentration is 0.5 – 1.5% (w/w). **BS Farmacip** solutions of 0.5 - 1.0% (w/w) are used in tunnel washing machines for curd and cheese molds. The washing temperature is in the range of 40 - 80°C, the exposure time is from a few seconds to a few minutes, depending on the speed of the mold washing machine conveyor. It is recommended to wash plastic boxes with 0.2% to 1% **BS Farmacip** working solution at ambient temperature up to 70°C. For water filling lines and equipment when water temperature is + 4°C, it is recommended to use concentration 0.8 to 2.0% (w/w). After washing, the surface must be rinsed thoroughly with water. Cost and efficiency are optimal when the product is dosed automatically.

### Information on safe use

Wear protective gloves / protective clothing / eye protection / face protection. Do not mix with other chemicals. Store in tightly closed original container in a well-ventilated place. Do not damage the container. Do not store together with flammable organic substances and their compounds, oxidizing agents, alkalis, metals. Keep away from heat, avoid direct sunlight, at a temperature not lower than + 5°C and not higher than + 35°C. Do not freeze!

### Method for concentration determination

Presented separately.

### Electrical conductivity



Temperature and concentration dependencies of the electrical conductivity of the product solutions are presented separately.

### Physical and chemical properties

State of matter	Liquid
Color	Transparent, colorless
Odor	Characteristic
pH, 1 %, 20-25°C	1,4 – 2,4
pH, 100 %, 20-25°C	0 – 0,5
Relative density, g/cm <sup>3</sup> , 20°C	1,10 – 1,11

### Expiry date

2 years from the date of manufacture.

### Results of microbiological tests

The tests were performed according to the methods EN 1276: 2010, EN 1276: 2010: AC: 2010, EN 1650: 2008, EN 1650: 2008 + A1: 2013.

Fungicidally and bactericidal active (*C. albicans*, *E. coli*, *S. aureus*) at a concentration of 0.8% **BS Farmacip** working solution and a temperature of 60°C under dirty conditions with an exposure time of 5 minutes.

Bactericidal active (*E. coli*, *P. aeruginosa*) at a concentration of 1% **BS Farmacip** working solution and a temperature of 40°C under dirty conditions when exposure time is 5 minutes and 15 minutes.

Fungicidally and bactericidal active (*S. aureus*, *E. hirae*, *C. albicans*) at a concentration of 1% **BS Farmacip** working solution and a temperature of 60°C under dirty conditions when exposure time is 5 minutes and 15 minutes.

Bactericidal active (*S. aureus*, *E. hirae*) at a concentration of 2% **BS Farmacip** working solution and a temperature of 40°C under dirty conditions when exposure time is 15 minutes.

Fungicidally and bactericidal active (*S. aureus*, *C. albicans*, *A. braziliensis*) at a concentration of 2% **BS Farmacip** working solution and a temperature of 60°C under dirty conditions when exposure time is 5 minutes.

Bactericidal active (*E. hirae*) at a concentration of 2% **BS Farmacip** working solution and a temperature of 60°C under dirty conditions when exposure time is 5 minutes.