

### **BIOPTIC 201**

Liquid acid product used in spray and ultrasonic processes for cleaning finishes.

### **MEDICAL RANGE**

FUNCTION	APPLICATION/POLLUTION
To neutralise and leave a hydrophilic finish	Alkaline, mineral, oxide residues

#### **COMPATIBILITY**

- Stainless steel:
  - Austenitic
  - Martensitic
  - Precipitation hardening
- Ceramics

- Chromium Cobalt
- Titanium
- Polymer\*
- \*Check compatibility with NGL.

#### **COMPONENTS**

- Organic acid
- Surfactants
- No CMR compounds, REACH compliant

#### PHYSICOCHEMICAL DATA

- pH concentrated: 0.7
- Density: 1.21
- Surface tension: 40.2 mN/m

#### **INSTRUCTIONS FOR USE\***

- Concentration: 0.5 to 2%
- Temperature: 40 to 65°C (104°F to 149°F)
- Time: 1 to 5 minutes

#### **PROCESS EXAMPLES**

Cleaning of medical devices in spray process

#### CLEANING



TAP WATER RINSE

Temp.: 20-30°C Time: 2-3 min

# BIOPTIC 201

Spray cleaning

**FINISHING** 

TAP WATER Temp.: 20-30°C Time: 1-2 min

Temp.: 20-30°C Time: 1-2 min

DI WATER

DI WATER

DI WATER Temp.: 20-30°C 68-86°F Time: 1-2 min

HOT AIR

## SPRAY CLEANING Oil removal Working chamber Oil separator Cleaning parameters: Pressure

#### **COMPATIBLE WITH VALIDATION STANDARDS**

- Cleaning:
  - ISO 19227 2018
  - ASTM F3127 16
- Characterization of inorganics:
  - ISO 10993 18

#### **STORAGE CONDITIONS**

- Keep the container hermetically sealed between 5°C and 40°C (41°F and 104°F) in a dry place.
- Always keep in packaging made from the same material as the original packaging (HDPE).

Cleaning of medical devices in ultrasonic process

#### CLEANING

Oil separator Tap water Conc.: 1-5% Temp.: 50-70°C US

TAP WATER

Temp.: 20-30°C Time: 2-3 min

FINISHING BIOPTIC 201

US

TAP WATER RINSE

Temp.: 20-30°C Temp.: 20-30°C Time: 1-2 min Time: 1-2 min

DI WATER Temp.: 20-30°C Time: 1-2 min

HOT AIR

If you have any questions, please contact our Application Centre on: +41 22 365 46 66





10/12/24

<sup>\*</sup>Dependent on the quality of the water and the nature and quantity of contaminants.