

# JC 200M

## PROCESS DETERGENT

### Medical & Pharma



- High performance neutral detergent to meet the high-quality demands of pharmaceutical and medical device industries
- Formulated to support requirements of validatable cleaners
- Contains no glycol ethers or other solvents
- Free of perfumes and dyes
- Extremely free rinsing
- Contains biodegradable surfactants
- Complete lot traceability

#### NORMAL PROCESS

<b>Process:</b>	Ultrasonic and Immersion Systems
<b>Concentration:</b>	1-10% (normal range 2-3%)
<b>Temperature:</b>	85°F-160°F/30°C-70°C
<b>Rinse:</b>	Yes
<b>Dry:</b>	Air

#### PRODUCT PROPERTIES

<b>Appearance:</b>	Clear, straw colored liquid
<b>PH Range:</b>	6.9-7.2
<b>Specific Gravity:</b>	1.028-1.032 g/mL at 25 °C (77 °F)
<b>Water Soluble:</b>	Soluble

#### PRODUCT APPLICATION

Ultrasonics and Immersion

#### REMOVES THESE CONTAMINANTS

light soils, fingerprints, particulates

#### SURFACE COMPATIBILITY

non-ferrous metals, anodized aluminum, stainless steel, cobalt chrome, nickel alloys, titanium and anodized titanium, most plastics

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#### NORMAL CONTROL

**Dropping Bottle Method** (Jayco Chemical Solutions part number: Alkalinity P/T Test Kit JYT001)

1. Take a sample of the JC 200M solution from the Bath with a beaker and allow to cool to room temperature.
2. Measure out 10 mls, using the graduated sample bottle provided in the titration kit.
3. Add 1-2 drops of total alkalinity indicator
4. Add dropwise 0.25N sulfuric acid while counting the drops and swirling the solution.
5. Stop adding the drops when color changes from green to red/orange
6. Calculation :

$$\text{Concentration of JC 200M (\%)} = \text{Drops of 0.25 N H}_2\text{SO}_4 \times 0.242$$

#### Conductivity

Below are readings taken with DI water. Jayco Chemical Solutions suggests making up known concentrations in customer's operating range and water for more accurate readings

JC 200M @25C	
%	conductivity (uS/cm)
0.1	36.6 uS/cm
0.2	71.5 uS/cm
0.3	105.5 uS/cm
0.4	138.6 uS/cm
0.5	171.2 uS/cm
1	328 uS/cm
2	620 uS/cm
3	890 uS/cm
4	1157 uS/cm
5	1411 uS/cm

JC 200M @30C	
%	conductivity (uS/cm)
0.1	40.3 uS/cm
0.2	78.7 uS/cm
0.3	116.1 uS/cm
0.4	152.5 uS/cm
0.5	188.4 uS/cm
1	361 uS/cm
2	682 uS/cm
3	979 uS/cm
4	1273 uS/cm
5	1553 uS/cm

JC 200M @35C	
%	conductivity (uS/cm)
0.1	44.3 uS/cm
0.2	86.6 uS/cm
0.3	127.7 uS/cm
0.4	167.8 uS/cm
0.5	207.3 uS/cm
1	397 uS/cm
2	751 uS/cm
3	1077 uS/cm
4	1401 uS/cm
5	1708 uS/cm

#### HANDLING AND SAFETY CONSIDERATIONS

Consult product safety data sheet for handling considerations, hazard information, and first aid procedures.

#### OTHER INFORMATION

*No warranty, expressed or implied of merchantability fitness for a particular purpose or otherwise, is made. Buyer assumes all risk of use, storage and handling. JAYCO Chemical Solutions shall not be made liable for any incidental or consequential damages arising directly or indirectly in connection with the purchase, storage, handling or disposal of this product.*