

# JC 400M

## ALKALINE DETERGENT

### Medical & Pharma



- High performance alkaline detergent to meet the high-quality demands of pharmaceutical and medical device industries
- Designed for in-process and final cleaning applications
- Formulated to support requirements of validatable cleaners
- Extremely free rinsing
- Readily biodegradable
- Complete lot traceability

#### NORMAL PROCESS

<b>Process:</b>	Ultrasonic and Immersion Systems
<b>Concentration:</b>	1-10% (normal range 3-5%)
<b>Temperature:</b>	120°F-170°F/50°C-77°C
<b>Rinse:</b>	Yes
<b>Dry:</b>	Air

#### PRODUCT PROPERTIES

<b>Appearance:</b>	Clear, straw colored liquid
<b>PH Range:</b>	12.5-12.8
<b>Specific Gravity:</b>	1.08-1.09 g/mL at 25°C (77°F)
<b>Water Soluble:</b>	Soluble

#### PRODUCT APPLICATION

Ultrasonics and Immersion

#### REMOVES THESE CONTAMINANTS

machining oils, blast media, grinding, polishing, and lapping compounds, stamping and drawing

#### SURFACE COMPATIBILITY

steel, stainless steel, cobalt chrome, nickel alloys, and titanium

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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 400M 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 phenolphthalein 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 pink to colorless
6. Calculation :

$$\text{Concentration of JC 400M (\%)} = \text{Drops of 0.25 N H}_2\text{SO}_4 \times 0.330$$

#### 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

%	conductivity (mS/cm)
1	1.7 mS/cm
2	3.5 mS/cm
3	4.5 mS/cm
5	6.0 mS/cm
7	7.3 mS/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.*