

JC 100M

ALKALINE DETERGENT

Medical & Pharma



- High performance potassium hydroxide based 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

Process:	Ultrasonic and Immersion Systems
Concentration:	1-10% (normal range 2-4%)
Temperature:	120°F-170°F/50°C-77°C
Rinse:	Yes
Dry:	Air

PRODUCT PROPERTIES

Appearance:	Clear, straw colored liquid
PH Range:	> 13
Specific Gravity:	1.19-1.20 g/mL at 25°C (77°F)
Water Soluble:	Soluble

PRODUCT APPLICATION

Ultrasonics and Immersion

REMOVES THESE CONTAMINANTS

machining oils, grinding, polishing, and lapping compounds

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 JYT003)

1. Take a sample of the JC 100M solution from the Bath with a beaker and allow to cool to room temperature.
2. Measure out 5 mls, using the graduated sample bottle provided in the titration kit.
3. Add 1-2 drops phenolphthalein indicator
4. Add dropwise 1.0N N sulfuric acid while counting the drops and swirling the solution.
5. Stop adding the drops when color changes from pink to colorless
6. Calculation :

$$\text{Concentration of JC 100M (\%)} = \text{Drops of 1.0N H}_2\text{SO}_4 \times 0.227$$

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	8.65 mS/cm
2	16.88 mS/cm
3	24.9 mS/cm
5	40.4 mS/cm
10	77.6 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.