

# JC 210

## PROCESS DETERGENT

### Industrial Cleaning



- Neutral pH process detergent using new generation surface-active technologies
- Excellent rinsability
- Readily biodegradable
- Safe on ferrous, non-ferrous metals and non-metallic surfaces including plastics that are resistant to stress cracking

#### NORMAL PROCESS

<b>Process:</b>	Ultrasonic and Immersion Systems
<b>Concentration:</b>	2-10% (normal range 3-5%)
<b>Temperature:</b>	120°F-160°F/50°C-70°C
<b>Rinse:</b>	Yes
<b>Dry:</b>	Air

#### PRODUCT PROPERTIES

<b>Appearance:</b>	Clear, straw colored liquid
<b>PH Range:</b>	7-8
<b>Specific Gravity:</b>	1.02-1.03 g/mL at 25°C (77°F)
<b>Water Soluble:</b>	Soluble

#### PRODUCT APPLICATION

Ultrasonics and Immersion

#### REMOVES THESE CONTAMINANTS

coolants, light machining oils and particulates

#### SURFACE COMPATIBILITY

brass, copper, aluminum, and steel, stainless steel, non-metallic surfaces

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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 210 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 :

$$\text{Concentration of JC 210 (\%)} = \text{Drops of 0.25 N H}_2\text{SO}_4 \times 0.501$$

#### 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 (uS/cm)
3	220 uS/cm
5	354 uS/cm
10	670 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 Cleaning Technologies 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.*