

JC 300

ALKALINE DETERGENT

Industrial Cleaning



- Heavy duty alkaline detergent
- Excellent rinsability
- Readily biodegradable.
- Useful over a wide range of applications and operating conditions
- Safe on ferrous, non-ferrous metals including aluminum

NORMAL PROCESS

Process:	Ultrasonic and Immersion Systems
Concentration:	3-20% (normal range 5-10%)
Temperature:	120°F-160°F/50°C-70°C
Rinse:	Yes
Dry:	Air

PRODUCT PROPERTIES

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

PRODUCT APPLICATION

Ultrasonics and Immersion

REMOVES THESE CONTAMINANTS

coolants, machining oils, stamping oils, carbonaceous soils, and particulates

SURFACE COMPATIBILITY

brass, copper, aluminum, steel, and stainless steel

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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 300 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 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 :

$$\text{Concentration of JC 300 (\%)} = \text{Drops of 0.25 N H}_2\text{SO}_4 \times 0.357$$

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)
5	6.37 mS/cm
10	11.59 mS/cm
15	16.01 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.