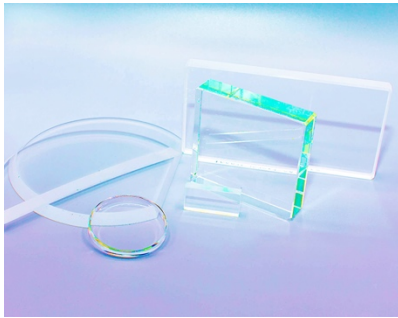


JC OPTIC 500

ACIDIC DETERGENT

Optics



- High performance acidic detergent for use before coating of inorganic optics
- Effective in removal of lime scale contaminations, light oils, fingerprints, and dust
- Extremely free rinsing
- Biodegradable

NORMAL PROCESS

Process:	Ultrasonic and Immersion
Concentration:	1-10% (normal range 1-3%)
Temperature:	120°F-160°F/50°C-70°C
Rinse:	Yes
Dry:	Air

PRODUCT PROPERTIES

Appearance:	Clear, straw colored liquid
PH Range:	2-3
Specific Gravity:	1.16-1.17 g/mL at 25°C (77°F)
Water Soluble:	Soluble

PRODUCT APPLICATION

ultrasonic, immersion

REMOVES THESE CONTAMINANTS

lime scale contaminations,
light oils, fingerprints,
and dust

SURFACE COMPATIBILITY

metallic surfaces,
acidic-proof glass, quartz,
porcelain, and ceramics

JC Optic 500

ACIDIC DETERGENT

Optics

NORMAL CONTROL

Dropping Bottle Method (Jayco Chemical Solutions part number: Acidity Test Kit JYT002)

1. Take a sample of the JC Optic 500 solution from the Bath with a beaker and allow to cool to room temperature.
2. Measure out 10 ml, using the graduated sample bottle provided in the titration kit.
3. Add 1-2 drops phenolphthalein indicator
4. Add dropwise 5.0N N sodium hydroxide (NaOH) while counting the drops and swirling the solution.
5. Stop adding the drops when color changes from colorless to pink.
6. Calculation :

$$\text{Concentration of JC Optic 500 (\%)} = \text{Drops of 5.0N NaOH} \times 0.313$$

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	1.216 mS/cm
2	1.763 mS/cm
5	3.014 mS/cm
10	4.187 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.