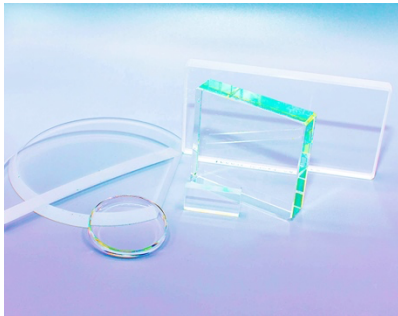


JC OPTIC 400

ALKALINE DETERGENT

Optics



- High performance alkaline detergent for use before coating of inorganic optics
- Effective in removal of oils, polishing & grinding residues including cerium oxide and aluminum oxide compounds.
- Extremely free rinsing
- Biodegradable

NORMAL PROCESS

Process:	Ultrasonic and Immersion
Concentration:	1-10% (normal range 2-3%)
Temperature:	120°F-170°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

ultrasonic, immersion

REMOVES THESE CONTAMINANTS

oils, polishing & grinding residues including cerium oxide and aluminum oxide compounds

SURFACE COMPATIBILITY

metallic surfaces glass, quartz, porcelain, and ceramics

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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 Optic 400 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 :
Concentration of JC Optic 400 (%) = Drops of 0.25 N H₂SO₄ x 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.