

# Accu-LABS INC.

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**A2LA Accredited ISO/IEC 17025:2005 Certificate # 2558.01**

## **535**

### **IRIDESCENT CHROMATE LIQUID FOR ZINC-NICKEL ALLOY MAXIMUM CORROSION RESISTANCE**

**Accu-Labs 535** is a concentrated, bright iridescent chromate for all types of plated zinc-nickel alloy. It produces an exceptionally bright and adherent, iridescent coating, and is an excellent base for paint.

The chromate coating produced will produce excellent corrosion protection, and will meet all government and other specifications calling for an iridescent chromate on zinc-nickel parts.

### **TYPICAL PRODUCTION OPERATING GUIDELINES**

Concentration:	2.0 – 4.0% by volume <b>Accu-Labs 535</b>
Immersion Time:	20 – 60 seconds
Temperature:	70 – 100°F.
pH Range:	1.3 – 1.8

**CONTROL:** During normal operation, the concentration of **Accu-Labs 535** is gradually diminished and the color becomes lighter. The addition of 25-50% of the initial make-up of **Accu-Labs 535** will favor the lighter multi-hued coatings.

### **ANALYSIS OF ACCU-LABS 535**

1. Pipet a 2 ml sample into a 250 ml flask.
2. Add 50 ml D.I. water
3. Add 20 ml of 25% Sulfuric Acid
4. Add 10 ml of 10% Potassium Iodide Solution and 2 – 5 mls of Starch Indicator Solution.
5. Titrate immediately with 0.1N Sodium Thiosulfate Solution to a dark to clear endpoint.

## **CALCULATION:**

(MLS of Thiosulfate) X 1.36 = % by Volume **Accu-Labs 535**

## **EQUIPMENT**

Koroseal, rubber, or plastisol lined steel, ceramic; polyethylene, fiberglass, or stainless steel tanks are satisfactory for use with **Accu-Labs 535** solutions.

## **SAFETY**

This product contains chromates and is highly acidic. Contact of salts or solution with skin or eyes should be avoided. In case of contact, flush the contaminated area with a large volume of water. When handling this product, protective clothing, i.e., rubber apron, gloves, boots, and goggles should be worn. Read the *Material Safety Data Sheet* for this product before using.

## **DISCLAIMER**

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