

## **MONITORING FOR THE HN503™ PRE-DIP OPERATING BATH**

### **Method:**

For uniform results and long solution life, the HN503 Pre-Dip bath should be maintained based on regular analysis using the following analytical procedures. It is recommended that this analysis be performed once in the middle of the week.

#### **I. Reagents Required:**

None

#### **II. Apparatus required:**

Baume' Float or Specific Gravity Float  
100-ml graduated cylinder (optional)

#### **III. Procedure:**

1. Place float in operating bath or a sample of the bath placed in a 100-ml graduated cylinder. Use caution putting float into the filled graduated cylinder. Pre-dip might overflow if solution level is too high.
2. Record the Baume' of the bath.

#### **Calculation:**

$\% \text{ conc. HN503}^{\text{TM}} = (5 \times \text{Baume}') - 20$   
(Make bail and addition once concentration drops to 80%.)

If HN503 concentration drops to 80% (Baume' = 20), bailing half the tank volume and replacing with fresh HN503 Pre-Dip will increase the concentration of 90% (Baume' = 22).

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