
	<b>GILES CHEMICAL ~ PREMIER MAGNESIA</b>		
	<b>Company Procedure</b>		
	Title: <b>Liquid Load Color Check</b>	Number: <b>P13-QA-100-086</b>	
	Owner: <b>Lee Cagle</b>	Revision: <b>03</b>	
	Effective Date: <b>11/21/2014</b>	Page: <b>1 of 2</b>	

## 1.0 Purpose

This procedure describes how to compare the color of a liquid load to that of a standard using a Control Limit of 25 (APHA Color Scale) for internal trending.

## 2.0 Scope

This procedure applies to all liquid loads produced at the Manufacturing facility.

## 3.0 Responsibility

- Material Handler: Responsible for verifying that liquid load color using comparative color tubes.
- Quality Associate: Responsible for preparing color tube standard and checking once monthly.

## 4.0 Safety Considerations

Observe all Manufacturing safety requirements. Safety glasses and steel toed shoes are required at a minimum.

Safety is a consideration of employment. Employees are not authorized to work in an unsafe manner and are prohibited from harming the environment of the facility or community.

## 5.0 Materials/Equipment

- Aqua Tester
- Flowsperse
- Deionized Water
- Liquid Load Sample
- Glass Sample Bottle labeled "25 Color Standard"
- Empty Glass Sample Bottle labeled "Sample"
- Sheet of White Paper



## 6.0 Procedure

### Standard Preparation: To be performed by Quality Associate

1. Fill a color comparison tube, from the Aqua Tester, with DI Water.
2. Add Flowsperse to the comparison tube until a color of 25 is achieved.
3. Transfer sample to a glass sample bottle and label it "25 Color Standard"

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4. Check the standard once monthly in the Aqua Tester to ensure the standard is at a color of 25.
5. Change the standard anytime it appears to be contaminated or if it doesn't meet the 25 color test.

### **Color Comparison: To be performed by Material Handler**

1. Collect a liquid sample from the tanker or Brine Tank into a plastic bottle and deliver the sample to the Material Handler's desk.
2. Locate the red tray labeled "Color Check" and remove the empty glass bottle labeled "Sample".
3. Fill the glass bottle labeled "**Sample**" with the material from the tanker or Brine Tank.
4. Place the bottle containing the sample on a piece of white paper and place the "**25 color Standard**" glass bottle beside it.
5. If the sample is lighter than the standard, the color is less than 25.
6. If the collected sample is darker than the standard, the sample has a color greater than 25.
7. Record results on form *Liquid Load Color Check Results (P13-PR-100-F086)*.
8. Empty the glass sample bottle and rinse with tap water for the next person to use. Place the clean "Sample" and "25 color Standard" bottles back in the tray and leave it on the Material Handler's desk.

## **7.0 Reference Documents**

*Liquid Load Color Check Results (P13-PR-100-F086)*

## **8.0 Change Information**

General updates throughout procedure

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