
	<b>GILES CHEMICAL ~ PREMIER MAGNESIA</b>		
	<b>Company Procedure</b>		
	Title: <b>Use of the Refracto 30GS</b>	Number: <b>L13-PR-100-059</b>	
	Owner: <b>Bryan Elchert</b>	Revision: <b>0</b>	
	Effective Date: <b>10/31/13</b>	Page: <b>1 of 2</b>	

## 1.0 Purpose

Provide instruction for obtaining refractive index measurements using the Refracto 30GS.

## 2.0 Scope

This procedure applies to using refractive index to determine if expired fragrance can still be used.

## 3.0 Responsibility

Quality Associates are responsible for the testing of expired fragrance to determine if the integrity of expired fragrance has been compromised.

## 4.0 Safety Considerations

Safety is a condition 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



- Refracto 30GS
- Deionized water
- Kimwipe Tissues
- Plastic disposable pipettes

## 6.0 Procedure

- 1) Press and hold down the **esc** button to turn on the Refracto 30GS. The display will read **Ready**.
- 2) Put instrument on a table.
- 3) Pipette some drops of water onto the measuring cell. Press and hold the **↓** key until **CALIB (Water)** appears in the display. After a few seconds a reading will appear in the display.
- 4) If the measured deviation is  $>0.0005$ , dry the measuring cell and clean it with a cleaning tissue.
- 5) After cleaning, Press the **ok/Measure** key and repeat the step above.
- 6) If the measured deviation is  $<0.0005$ , press the **↓** or **↑** key until **Execute? (Yes)** appears.
- 7) Press the **ok/Measure** Key.

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- 8) The adjustment is confirmed and the digital display will read **READY**.
- 9) Using a tissue, wipe the water drops from the measuring cell. Ensure the measuring cell is completely dry.
- 10) Pipette some drops of sample onto the measuring cell.
- 11) Press the **ok/Measure** Key, after a few seconds the reading will appear in the display.
- 12) Compare the measured reading from the Refracto 30GS to the specifications listed on the fragrance CoA. If the measured refractive index reading is within the limits listed on the fragrance CoA, the material is ok for use.

## 7.0 Reference Documents

N/A

## 8.0 Change Information

New Document

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