
	<b>GILES CHEMICAL ~ PREMIER MAGNESIA</b>		
	<b>Company Procedure</b>		
	Title: <b>USP UV-Vis Spectrophotometer Filter Pad Maintenance</b>	Number: <b>L12-PR-100-016</b>	
	Owner: <b>Stephen Ballew</b>	Revision: <b>0</b>	
	Effective Date: <b>03/02/12</b>	Page: <b>1 of 2</b>	

## 1.0 Purpose

1.1 The purpose of this procedure is to maintain the UV-Vis Spectrophotometer in the QA Laboratory.

## 2.0 Scope

2.1 Maintenance is to be performed quarterly.

## 3.0 Responsibility

3.1 The Quality Associate is responsible for this procedure.

## 4.0 Safety Considerations

4.1 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

- 5.1 Hach DR 5000 UV-Vis Spectrophotometer
- 5.2 New air filter pad



## 6.0 Procedure

### 6.1 Hach DR 5000 UV-Vis Spectrophotometer Filter Pad Maintenance (Quarterly):

- 6.1.1 Remove any cuvettes and cuvette/sample cell adapter from the cell compartment.
- 6.1.2 Turn the spectrophotometer off.
- 6.1.3 Unplug the power cord.
- 6.1.4 Lift the spectrophotometer and check the color of the filter mat. Replace the filter mat if it is dark grey or black.
- 6.1.5 Record the observation in the *USP UV-Vis Spectrophotometer Filter Pad Log* L12-PR-100-F016.

### 6.2 Filter Pad Replacement

- 6.1.6 Carefully turn the spectrophotometer over and place it on a soft surface.
- 6.1.7 Use a screwdriver (standard or cross-head) to open the filter grid.
- 6.1.8 Lift the filter grid.
- 6.1.9 Remove the old air filter pad and replace it with a new air filter pad.

	<b>GILES CHEMICAL ~ PREMIER MAGNESIA</b>		
	<b>Company Procedure</b>		
	Title: <b>USP UV-Vis Spectrophotometer Filter Pad Maintenance</b>	Number: <b>L12-PR-100-016</b>	
	Owner: <b>Stephen Ballew</b>	Revision: <b>0</b>	
	Effective Date: <b>03/02/12</b>	Page: <b>2 of 2</b>	

- 6.1.10 Screw the grid back into place.
- 6.1.11 Carefully stand the spectrophotometer upright.
- 6.1.12 Plug the spectrophotometer in.
- 6.1.13 Record the filter placement in the *USP UV-Vis Spectrophotometer Filter Pad Log* L12-PR-100-F016.

## 7.0 Reference Documents

- 7.1 *USP UV-Vis Spectrophotometer Filter Pad Log* L12-PR-100-F016

## 8.0 Amendment Record

Revision Number	Revision Date	Revision Author	Revision Description
0	03/02/12	SB	New Document