
	GILES CHEMICAL ~ PREMIER MAGNESIA		
	Company Procedure		
	Title: USP UV-Vis Spectrophotometer Filter Pad Maintenance	Number: L12-PR-100-016	
	Owner: Stephen Ballew	Revision: 1	
	Effective Date: 03/31/13	Page: 1 of 2	

1.0 Purpose

This SOP will address the basic procedure and frequency for the USP UV-Vis spectrophotometer filter pad maintenance used for USP analysis.

2.0 Scope

This procedure applies to the USP UV-Vis spectrophotometer. Filter pad maintenance will be performed on the UV-Vis by QA Lab personnel on a quarterly basis.

3.0 Responsibility

QA Lab personnel are responsible for performing this procedure.

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

- Screwdriver (standard or cross head)

6.0 Procedure

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



1. Remove any cuvettes and cuvette/sample cell adapter from the cell compartment.
2. Turn the spectrophotometer off.
3. Unplug the power cord.
4. Lift the spectrophotometer and check the color of the filter mat. Replace the filter mat if it is dark grey or black.
5. Record the observation in the *UV-Vis Spectrophotometer Filter Pad Maintenance Log (L12-PR-100-F016)*.

Filter Pad Replacement

1. Carefully turn the spectrophotometer over and place it on a soft surface.
2. Use a screwdriver (standard or cross-head) to open the filter grid.

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3. Lift the filter grid.
4. Remove the old air filter pad and replace it with a new air filter pad.
5. Screw the grid back into place.
6. Carefully stand the spectrophotometer upright.
7. Plug the spectrophotometer in.
8. Record the filter placement in the *UV-Vis Spectrophotometer Filter Pad Maintenance Log (L12-PR-100-F016)*.

7.0 Reference Documents

USP UV-Vis Spectrophotometer Filter Pad Maintenance (L12-PR-100-F016)

8.0 Change Information

Updated using *SOP Template Instructions (Q12-PR-100-004)* and *Document Numbering (Q12-PR-100-003)*

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