

**United States Department of Agriculture
Agricultural Marketing Service, Science & Technology
Pesticide Data Program**

SOP No.: PDP-LABOP-06		Page 1 of 4
Title: Glassware Calibration and Cleaning		
Revision: 5	Replaces: 04/01/05	Effective: 04/01/07

1. Purpose:

To provide procedures for the calibration and cleaning of glassware used to analyze USDA/AMS Pesticide Data Program (PDP) samples.

2. Scope:

This standard operating procedure (SOP) shall be followed by all laboratories conducting residue studies for PDP, including support laboratories conducting stability or other types of studies that may impact the program.

3. Outline of Procedure:

- 5.1 Glassware calibration
- 5.2 Glassware cleaning

4. References:

- USDA/AMS PDP Quality Assurance-Technical Meeting, March 22-24, 2005
- USDA/AMS PDP Quality Assurance Meeting, April 4-5, 2000
- 40 CFR 160.81, Standard operating procedures

5. Specific Procedures:

This SOP represents minimum PDP requirements and is presented as a general guideline. Each laboratory shall have written procedures that provide specific details concerning how the procedure has been implemented in that laboratory.

**United States Department of Agriculture
Agricultural Marketing Service, Science & Technology
Pesticide Data Program**

SOP No.: PDP-LABOP-06		Page 2 of 4
Title: Glassware Calibration and Cleaning		
Revision: 5	Replaces: 04/01/05	Effective: 04/01/07

5.1 Glassware calibration

Each laboratory shall develop internal procedures for the calibration of volumetric glassware used in the analysis of PDP samples. Manufacturer's certification is adequate.

5.2 Glassware cleaning

Each laboratory shall develop internal procedures for cleaning glassware in such a manner as to preclude any cross-contamination. Contamination shall be evaluated by running a reagent blank with each set.



**United States Department of Agriculture
Agricultural Marketing Service, Science & Technology
Pesticide Data Program**

SOP No.: PDP-LABOP-06		Page 3 of 4
Title: Glassware Calibration and Cleaning		
Revision: 5	Replaces: 04/01/05	Effective: 04/01/07

Chris Pappas

3/13/07

Revised By: Chris Pappas
PDP Document Control Officer, Monitoring Programs Office
8609 Sudley Road, Suite 206
Manassas, VA 20110
(703) 330-2300

Date

Theresa Struble

3-14-07

Reviewed By: Theresa Struble
Presiding Member of PDP Technical Advisory Group
Michigan Department of Agriculture
Laboratory Division
1615 South Harrison Road
East Lansing, MI 48823
(517) 337-5105

Date

Diana Haynes

3/26/07

Approved By: Diana Haynes
PDP Technical Director, Monitoring Programs Office
8609 Sudley Road, Suite 206
Manassas, VA 20110
(703) 330-2300

Date

Martha Lamont

03/28/07

Approved By: Martha Lamont
PDP Program Administrative Director, Monitoring Programs Office
8609 Sudley Road, Suite 206
Manassas, VA 20110
(703) 330-2300

Date

**United States Department of Agriculture
Agricultural Marketing Service, Science & Technology
Pesticide Data Program**

SOP No.: PDP-LABOP-06		Page 4 of 4
Title: Glassware Calibration and Cleaning		
Revision: 5	Replaces: 04/01/05	Effective: 04/01/07

Revision 5 February 2007 Monitoring Programs Office

- Modified format to conform with other SOPs

Revision 4

- General update
-
-