

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

SOP No.: PDP-LABOP-05		Page 1 of 4
Title: Reagents Preparation , Labeling, and Storage		
Revision: 3	Replaces: 12/11/92	Effective: 07/01/00

**1. Purpose:**

To provide standard procedures for the preparation, labeling and storage of reagents used in the analysis of 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:**

- 5.1 Reagent preparation
- 5.2 Reagent labeling
- 5.3 Reagent storage

**4. References:**

- USDA/AMS PDP Quality Assurance Meeting, April 4-5, 2000
- USDA/AMS PDP Quality Assurance Meeting, May 18-20, 1999
- 40 CFR 160.83, Reagents and solutions

**5. Specific Procedures:**

This standard operating procedure (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.

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5.1 Reagent preparation

Each laboratory shall develop a written SOP detailing the preparation of any reagents used in the analytical method.

5.2 Reagent labeling

All reagents and solutions in the laboratory areas shall be labeled to indicate identity, titer or concentration, storage requirements, expiration date and initials of the preparer. Deteriorated or outdated reagents and solution shall not be used.

5.3 Reagent storage

All reagents shall be stored in accordance with storage provisions of the laboratory Chemical Hygiene Plan (CHP).

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Revision 3

April 4-5, 2000

QA Meeting

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- Modified format to conform to other SOPs
- Updated section 4, "References"

