

DRUG CHEMISTRY SECTION TECHNICAL PROCEDURE MANUAL		
Procedure D-16	Extraction and Separations Extraction of Lysergic Acid Diethylamide (LSD)	
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**Name of Procedure:**

Extractions and Separations  
Extraction of Lysergic Acid Diethylamide (LSD)

**Suggested Uses:**

This procedure is used to extract LSD from capsules, liquid, tablets or blotter paper.

**Apparatus Needed to Perform Procedure Including Preparation of Reagent:**

Fume hood  
Gloves  
Eye protection  
Laboratory coat  
Sodium Bicarbonate  
Chloroform  
pH Test paper  
Sodium Sulfate, anhydrous  
Pipets, glass, disposable  
Pipet bulb  
UV Light source

**Application of Procedure on Evidence:**

1. Dissolve sample in water.
2. Add sodium bicarbonate until pH is 8. Check with test paper.
3. Extract with chloroform and evaporate over heat source for further analysis.

**Safety Concerns:**

Chloroform should be used in a well ventilated area or in a fume hood. LSD should not come into contact with skin.

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**Literature References:**

Zacharias, D., ■Infrared Identification of LSD in Capsules, Liquid, Sugar Cubes and Tablets■, **MICROGRAM**, Vol. I, No. 4, Jan. 1968, pp. 23-24.