

Drug Chemistry Section
Drug Chemistry Procedure Manual
Effective Date: September 1, 1996

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.

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.