

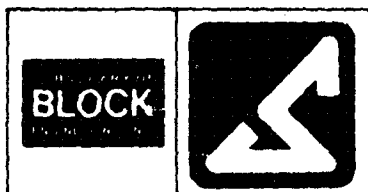
GERMICIDES

IR Grating Spectra

Volume 1

GM 1 K - GM 300 K

With Indices



SADTLER RESEARCH LABORATORIES, INC.

**GERMICIDES
GRATING SPECTRA**

*Volume 1
GM1K - GM300K*

CREATIVE CHEMISTS SINCE 1874

3715 SPRING GARDEN ST. PHILADELPHIA, PA. 19104
TEL. 215 387-7800 • TWX 710-670-1186 • CABLE SADTLABS

The publication of the physical data of the Sadtler Standard Spectra and the Sadtler Commercial Spectra is intended to be descriptive. The samples of the materials represented have come generally from other sources than our own laboratories and frequently without the donors' knowledge of their part in this publication.

On the other hand every effort is made by Sadtler Research Laboratories, Inc. to assure the reliability of the published spectra. When improved data is available or errors are called to our attention we revise and reissue the proper replacement spectra.

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GERMICIDES

GRATING SPECTRA

This is a collection of 300 grating infrared absorption spectra of commercially-available materials having germicidal properties. These spectra are abstracted and reissued from the larger collections of Agricultural Chemicals and Surface Active Agents which contain more general materials. Materials included in this publication show effectiveness as germicides, slimicides, fungicides, bactericides, antiseptics, etc. and are commonly used as additives in detergent formulations, pesticide applications and some food preservers.

All spectra were prepared on a Perkin-Elmer 521 grating spectrophotometer in the 4000 cm^{-1} to 250 cm^{-1} frequency range.

The heading data attached to each spectrum includes the commercial trade name, the manufacturer who supplied the sample material, the method of sample preparation and descriptive data supplied by the manufacturer.

The alphabetical index to this publication contains entries according to commercial trade name and cross-references to chemical name when they are assignable. Within the index, the column to the left of the spectrum number is an arbitrarily assigned manufacturers code, the complete index of manufacturers which correlates with this code is updated annually and published with the Sadtler Composite Alphabetical Index.

We acknowledge the kind cooperation of manufacturers in making samples available for inclusion in this collection.



MERSOLITE 19 FUNGICIDE

PHENYL MERCURIC SALICYLATE

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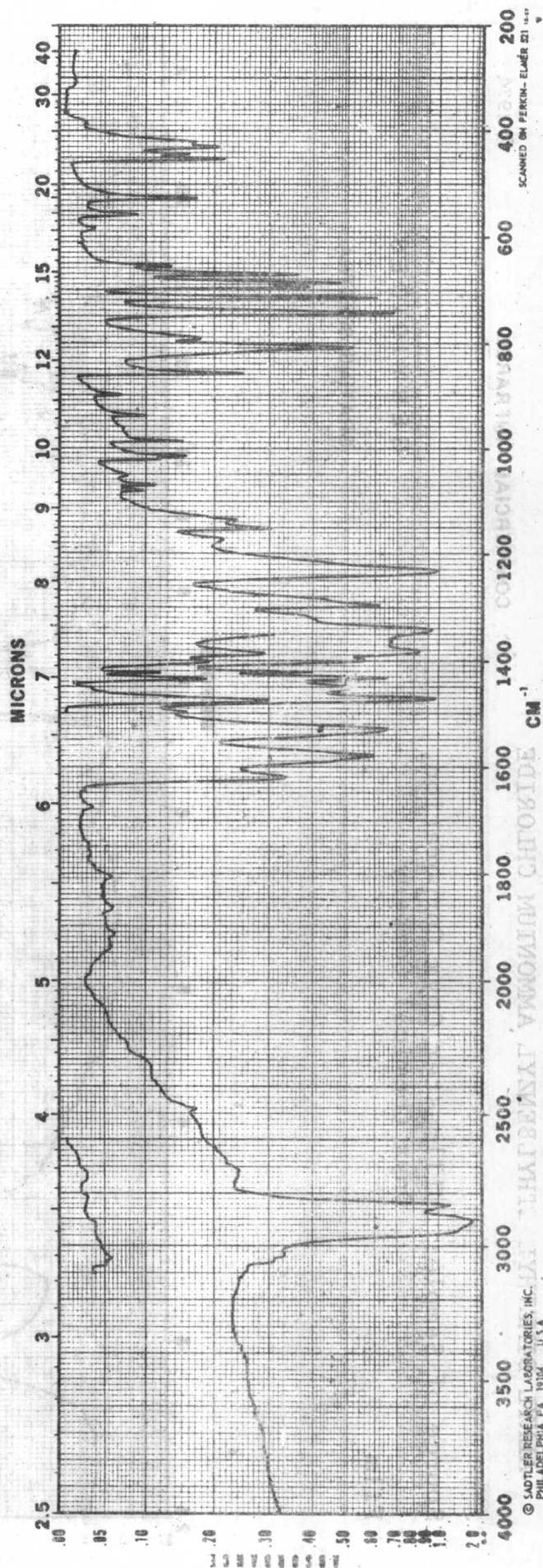
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Source of Sample: Wood Ridge Chemical Corporation
Split Mull

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GRATING SPECTRA



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WAVELENGTH IN MICRONS

CM⁻¹



FUNGICIDE/GERMICIDE

GM 1K



BTC 471 FUNGICIDE/GERMICIDE

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ALKYL DIMETHYL ETHYLBENZYL AMMONIUM CHLORIDE

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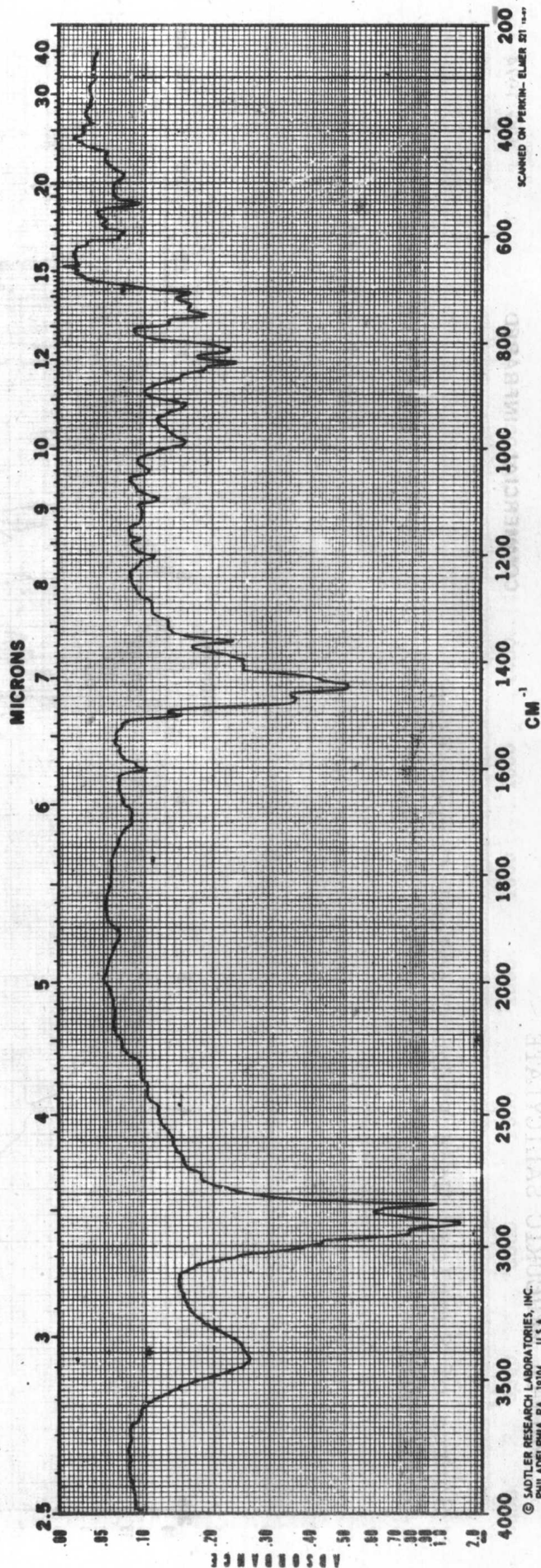
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Source of Sample: Millmaster Onyx Corporation,
Onyx Chemical Company

Film

GERMICIDES

GRATING SPECTRA



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SCANNED ON PERKIN-ELMER 571

GM 2K



BTC 1100 R FUNGICIDE/GERMICIDE

ALKYL DIMETHYL NAPHTHYLMETHYL AMMONIUM
CHLORIDES

Source of Sample: Millmaster Onyx Corporation,
Onyx Chemical Company

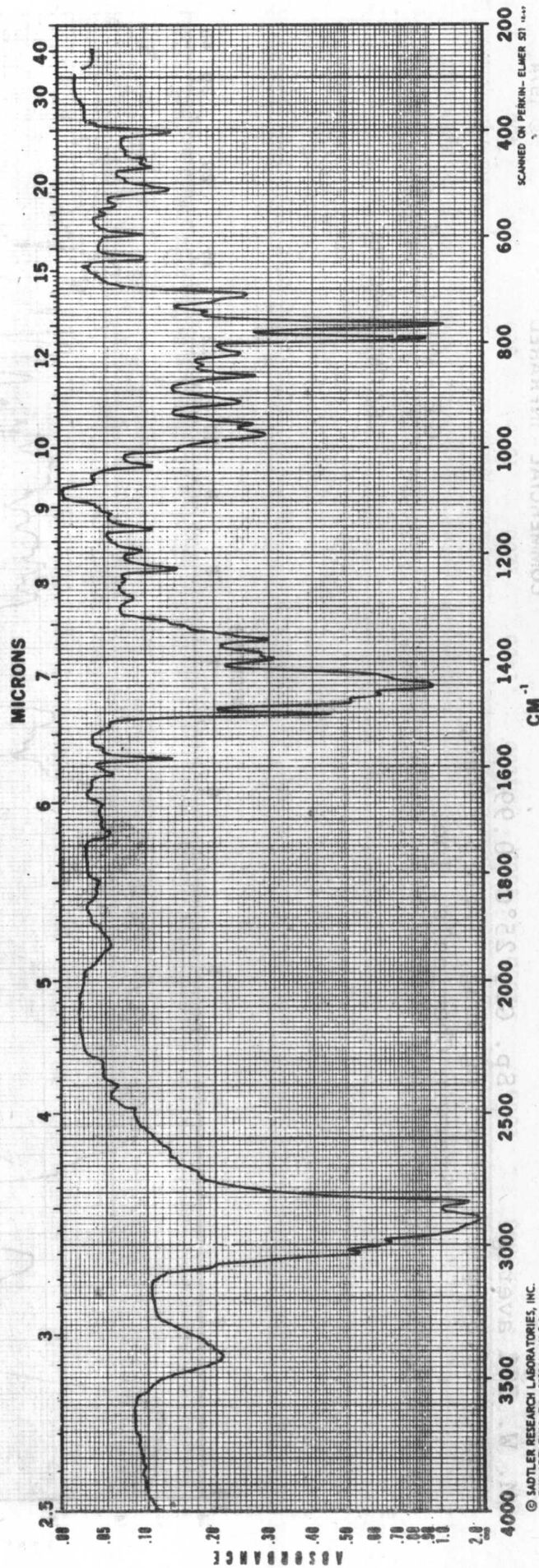
Film

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GRATING SPECTRA



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SCANNED ON PERKIN-ELMER 571



GM 3K



WINROC

BACTERICIDE

HIGH MOL. WT. QUATERNARY AMMONIUM COMPOUNDS

M. W. 331 average
Source of Sample: Sterling Drug, Incorporated,
Sterwin Chemicals, Inc.

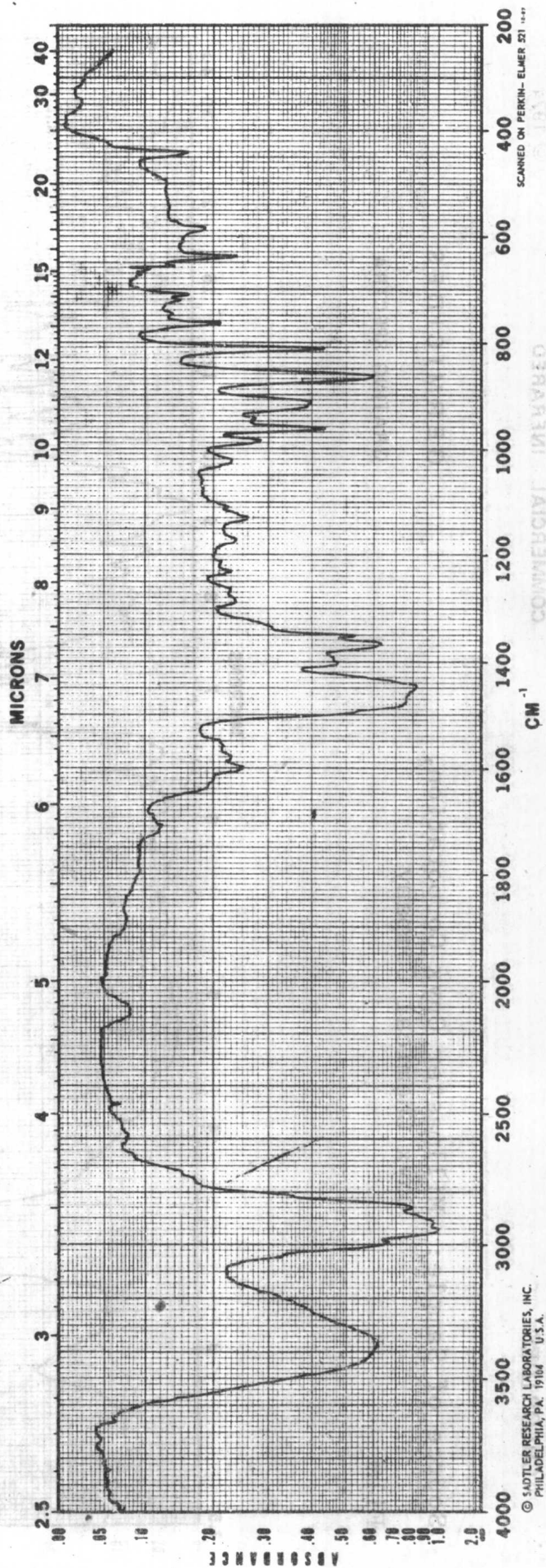
Melt - Between Salts

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GERMICIDES

BLC 1700 K

GM 4K

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OMACIDE 50

BIOCIDE

ACTIVE INGREDIENT: SODIUM PYRIDINETHIONE-N-OXIDE

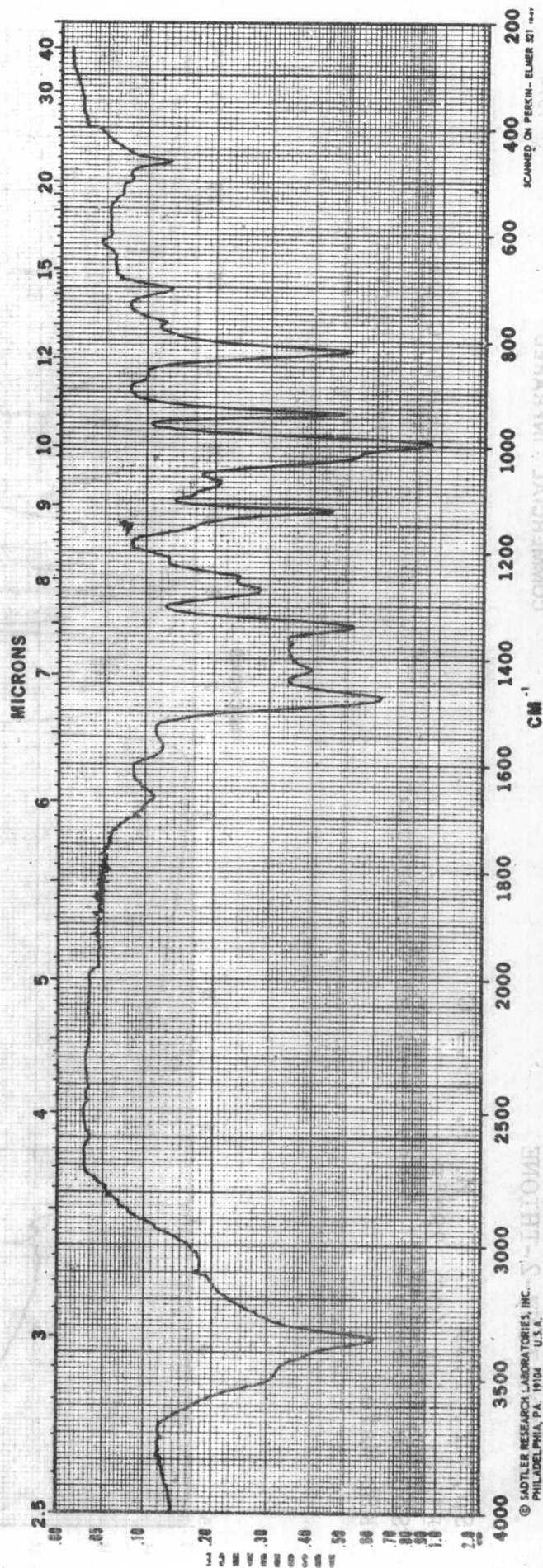
Source of Sample: Olin Mathieson Chemical Corp.
KBr Wafer

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U.S.S.R.
MOSCOW

2 Na2O3

BIOCIDE

GM 5K

COSAN S

BIOCIDE

3,5-DIMETHYL-TETRAHYDRO-1,3,5,2H-
THIADIAZINE-2-THIONE

Sp. Gr. 1.39

M. P. 99.5°C

Flash Point (OC) 280°F

Source of Sample: Cosan Chemical Corporation
KBr Wafer

GERMICIDES

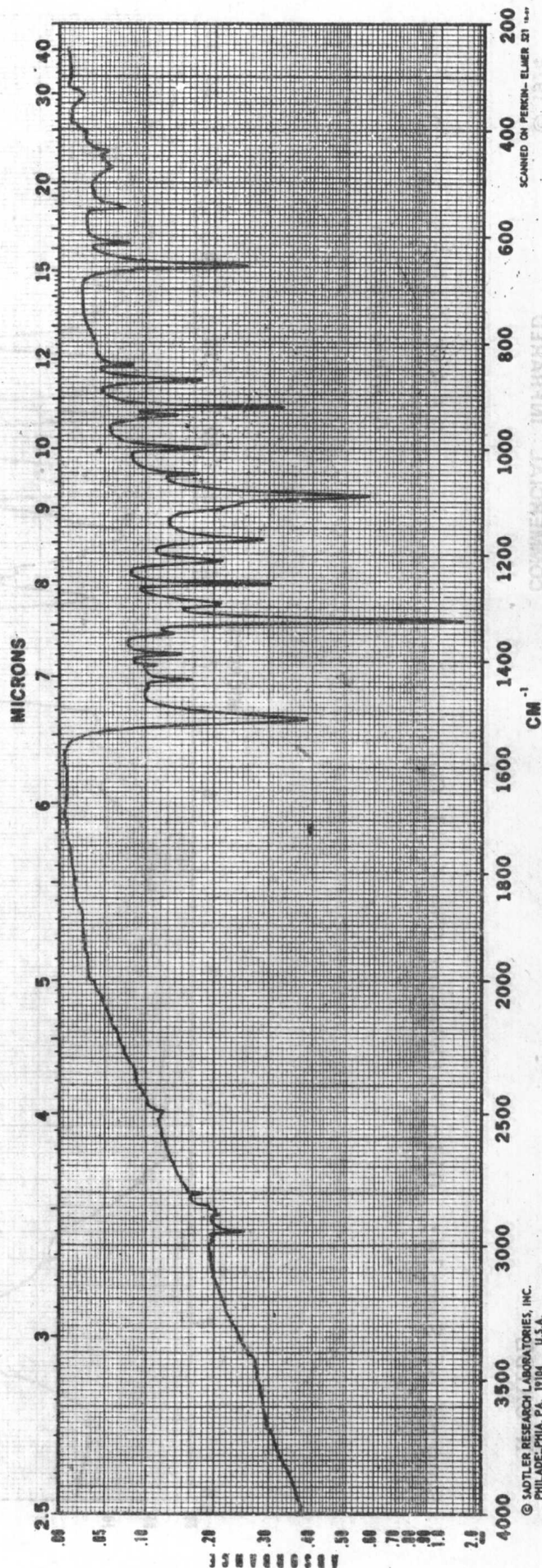
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WAVELENGTH: 2000 MICRONS

BIOCIDE

BIOCIDE



GM 6K



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BACTERICIDE

ROCCAL MC-14

BENZYL DIMETHYL TETRADECYL AMMONIUM
CHLORIDE, DIHYDRATE

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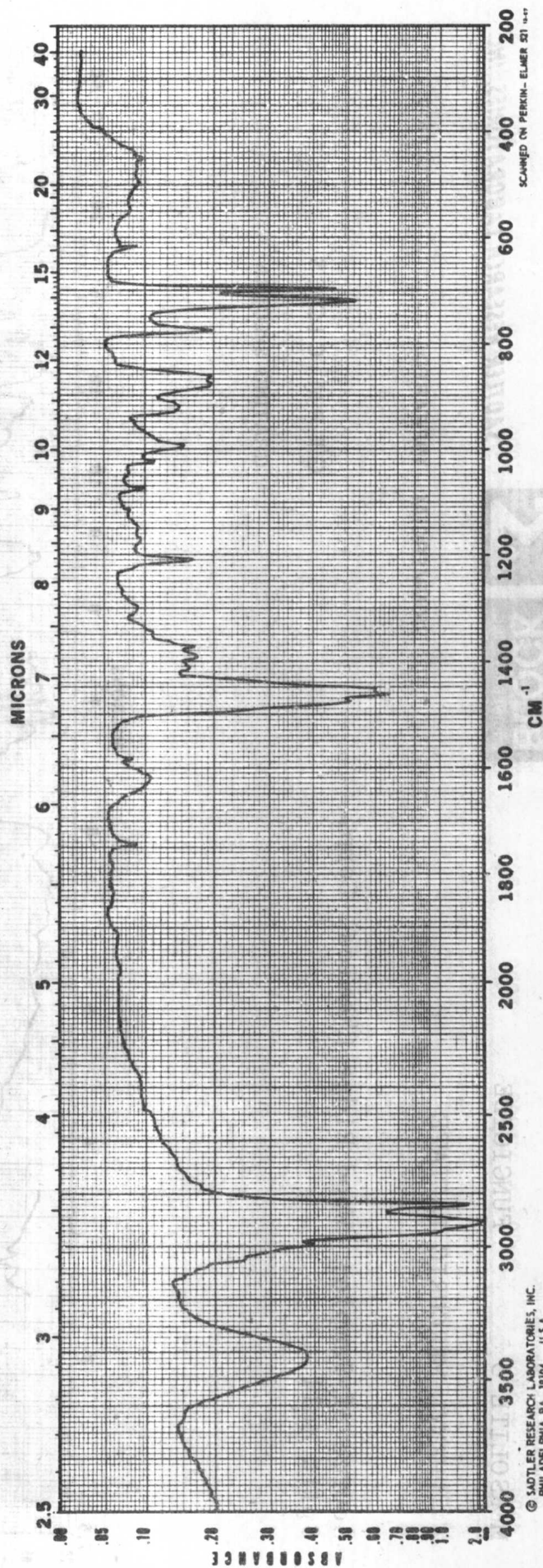
COMMERCIAL INFRARED

Source of Sample: Sterling Drug, Incorporated,
Sterwin Chemicals, Inc.

KBr Wafer

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GM 7K



MERSOLITE 5 3000 FUNGICIDE

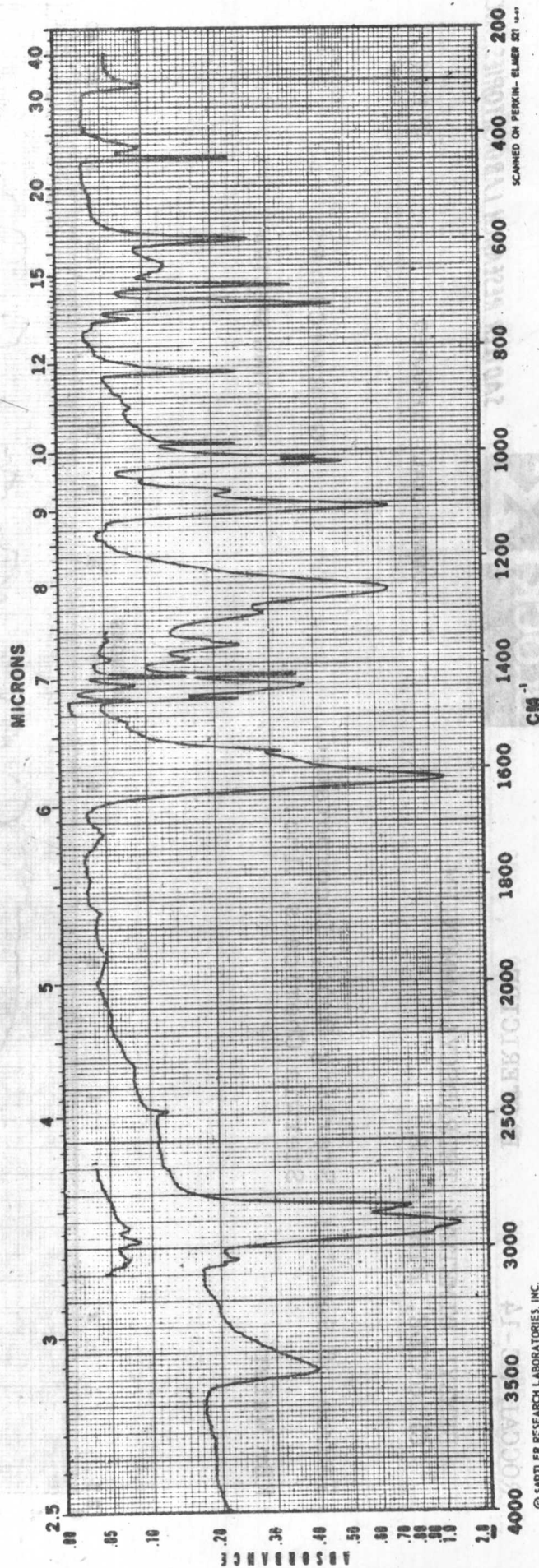
PHENYL MERCURIC LACTATE

Source of Sample: Wood Ridge Chemical Corp.
Split Mull

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GM 8K



ONYXIDE 13950, FORMERLY HQ 13950
FUNGICIDE/SLIMICIDE

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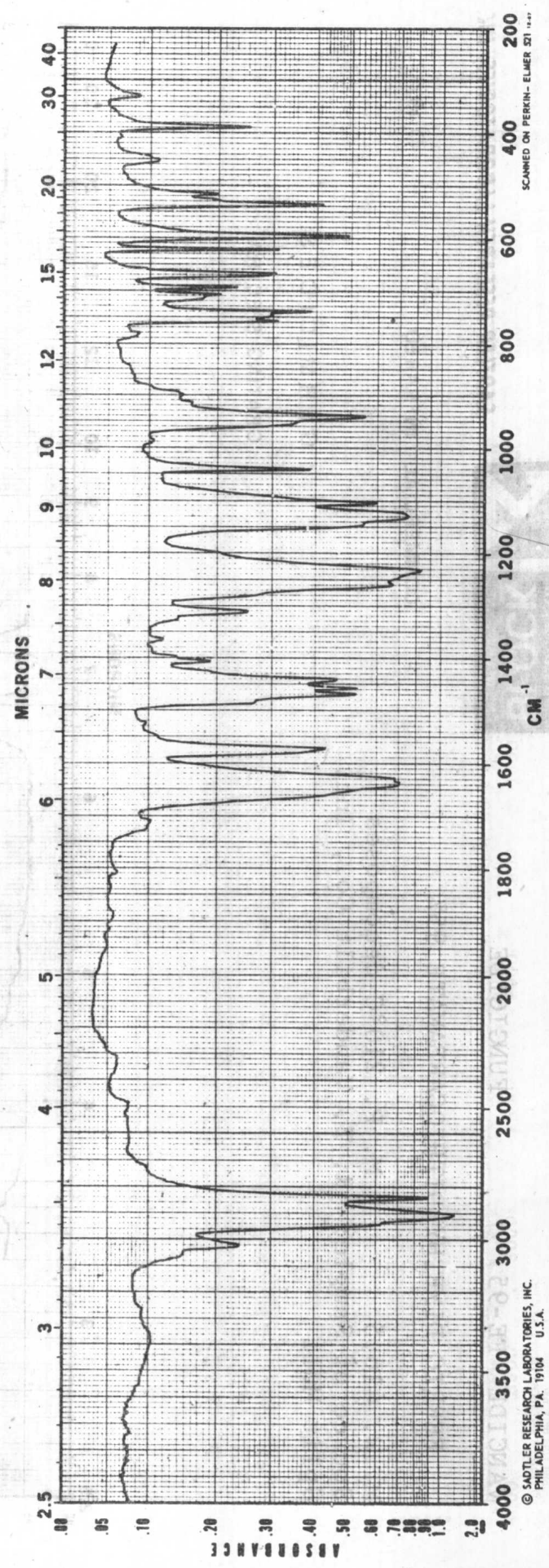
ALKYL TRIMETHYL AMMONIUM SACCHARINATE

COMMERCIAL INFRARED

Source of Sample: Millmaster Onyx Corp.,
Onyx Chemical Company
Melt - Between Salts

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GM 9K



VANCIDE FE-95 FUNGICIDE

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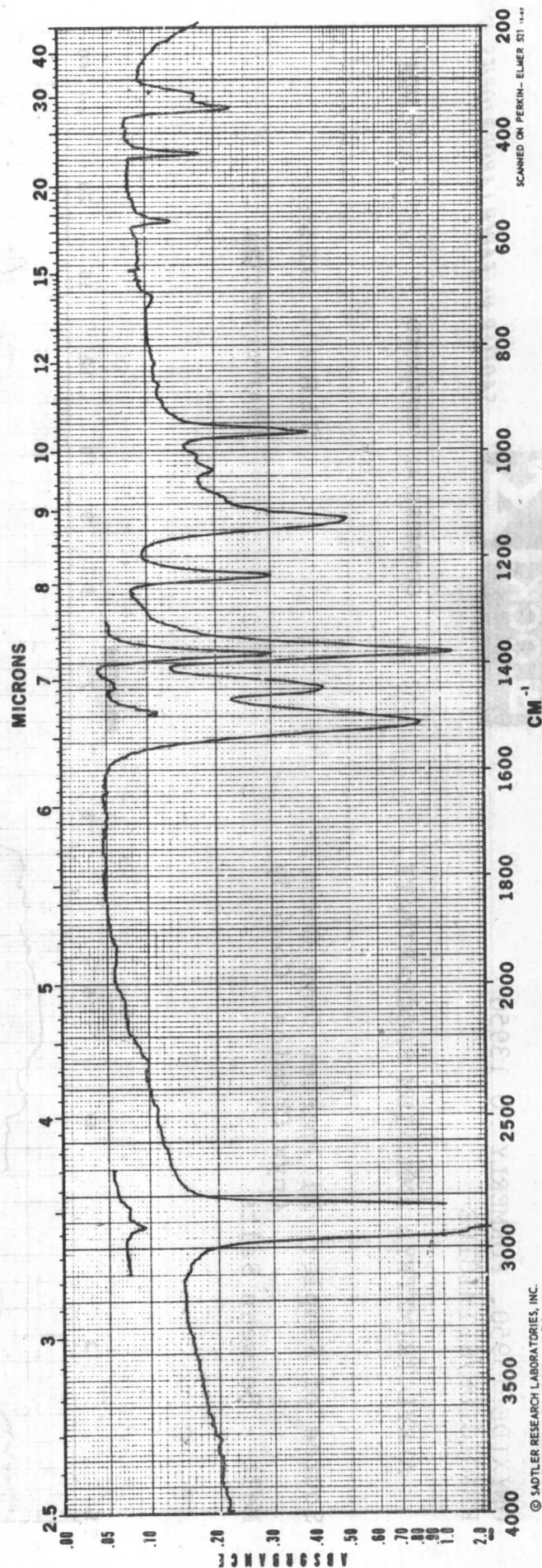
FERRIC DIMETHYLDITHIOCARBAMATE 95%

M. W. 416.5 M. P. 210°C decomposes
Source of Sample: R. T. Vanderbilt Co., Inc.
Split Mull

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GM 10K



OMACIDE 24 BIOCIDES

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ACTIVE INGREDIENT: SODIUM PYRIDINETHIONE-N-OXIDE

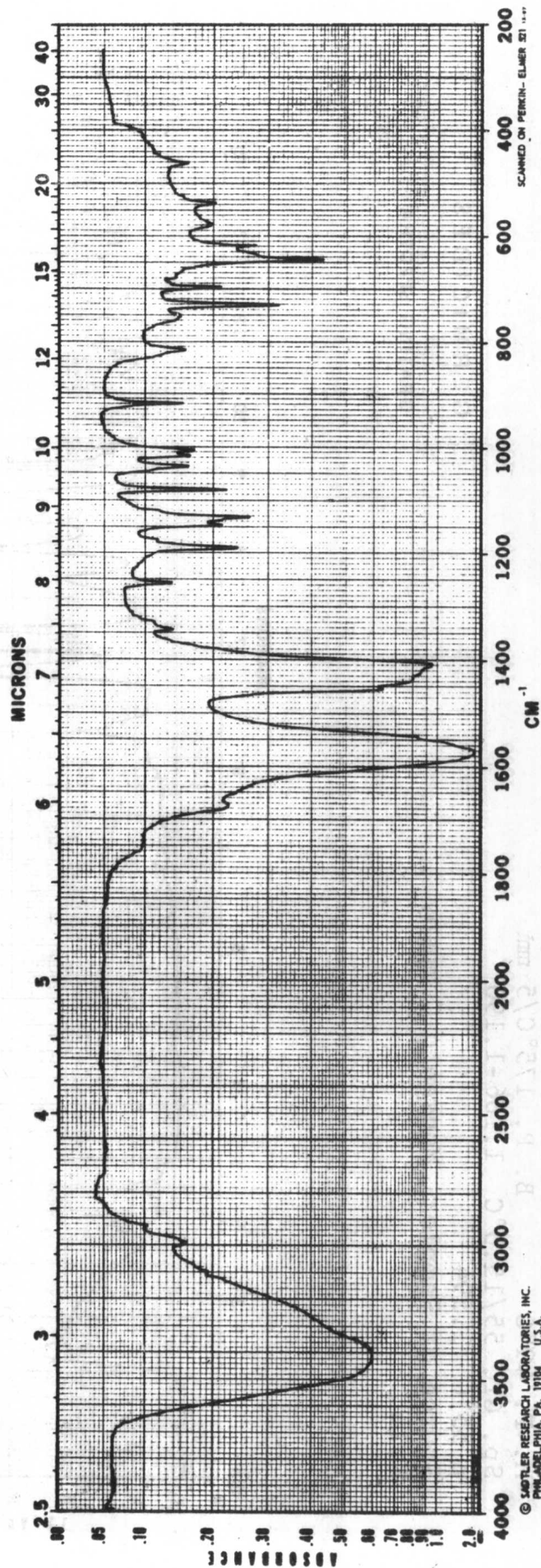
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Source of Sample: Olin Mathieson Chemical Corp.
KBr Wafer

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GRATING SPECTRA



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SCANNED ON PERKIN-ELMER 521

GM 11K

SANTOPHEN 1

GERMICIDE

o-BENZYL-p-CHLOROPHENOL

M. P. 49°C B. P. 175°C/5 mm
Sp. Gr. 55/15.5°C 1.186-1.190
n 55°C 1.594

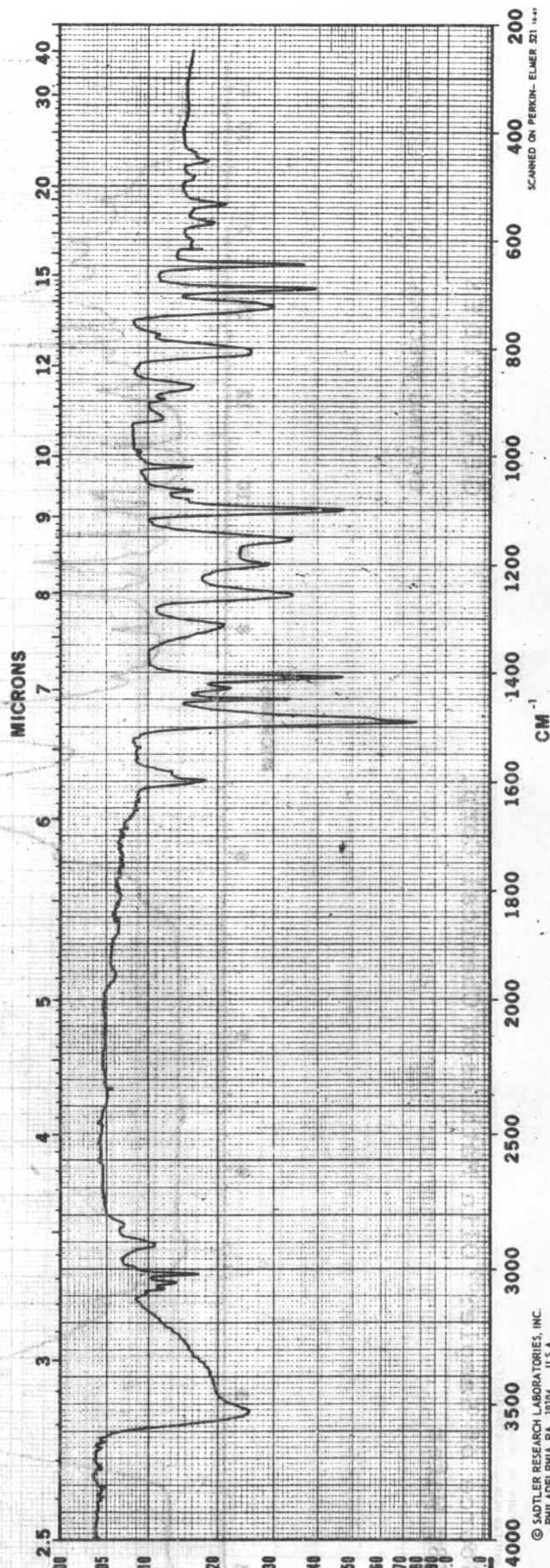
Source of Sample: Monsanto Company
Film

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GERMICIDES

GRATING SPECTRA



OWACIDE 54

BIOCIDE

GM 12K



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GERMICIDE

99+%, 3,4',5-TRIBROMOSALICYLANILIDE

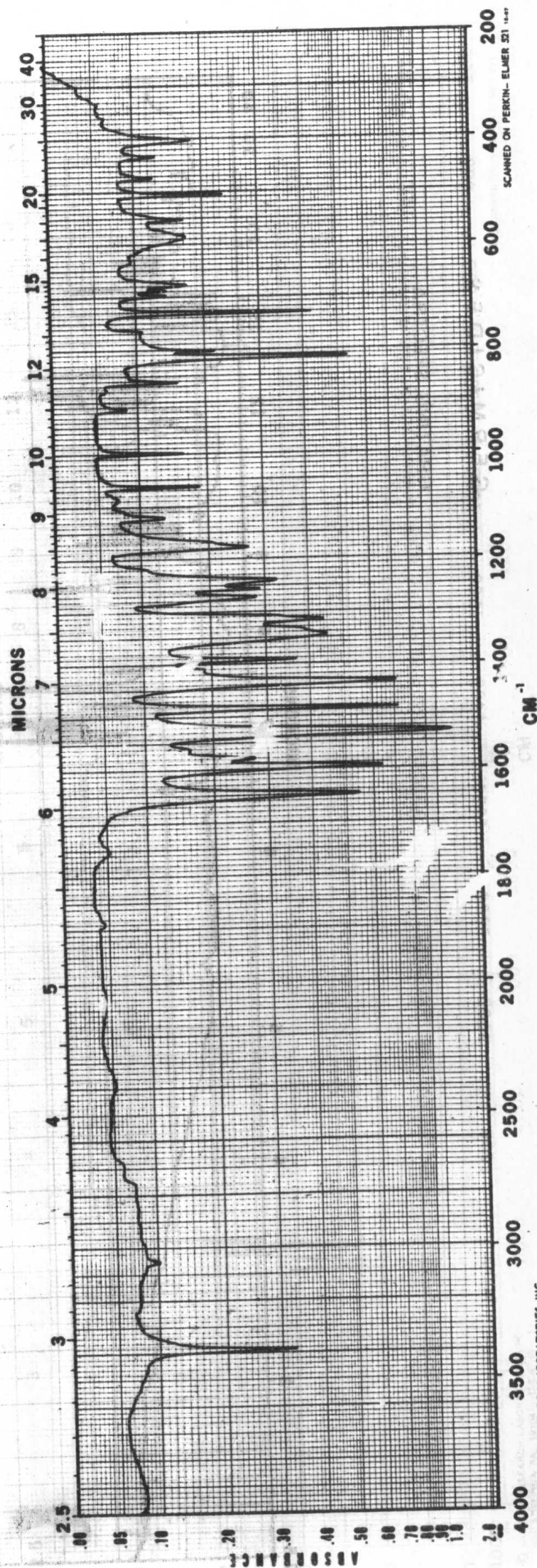
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Source of Sample: Fine Organics, Inc.
KBr Wafer

GERMICIDES

GRATING SPECTRA



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Source of Sample: HOOPER CHEMICAL CORPORATION

COMMERCIAL INFRARED

GM 13K

