

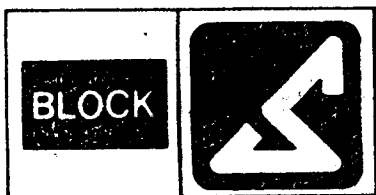
ADHESIVES
AND
SEALANTS

IR Grating Spectra

Volume 3—4

AS 601 K -- AS 1200 K

With Indices



SADTLER RESEARCH LABORATORIES, INC.

ADHESIVES AND SEALANTS

GRATING SPECTRA

Vol. 3

CREATIVE CHEMISTS SINCE 1874

3314 SPRING GARDEN ST., PHILADELPHIA, PA. 19104
TEL. 215 382-7800 • TWX 710-670-1186 • CABLE SADTLERS

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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ADHESIVES AND SEALANTS GRATING SPECTRA

This total publication of 900 grating infrared absorption spectra contains representative examples of the wide range of materials used in the formulation and application of adhesives and sealants. The selection includes both one-component and two-component formulations, the latter are represented by the spectra of each pyrolyzed component and the spectra of the cured product on pyrolysis.

The spectra were determined either on a Perkin-Elmer 621 grating spectrophotometer in the spectral region 4000 cm^{-1} to 250 cm^{-1} or on a Digilab FTS-14 spectrophotometer in the spectral region 4000 cm^{-1} to 400 cm^{-1} . All the published spectra are presented on a linear transmittance vs. wave number format.

Each spectrogram is labelled with the trade name of the product, the available data, source of supply and the procedure used for preparation of the spectra.

An alphabetical index according to the trade name of the products is furnished with the collection.

We wish to acknowledge the cooperation of manufacturers in supplying us with samples for inclusion in this collection.

ADDENDUM

Replacement spectra (those rerun and replacing spectra included in the Adhesives and Sealants grating collection).

Per 1975

AS 22 K AS 24 K AS 167 K AS 213 K AS 250 K



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A-1

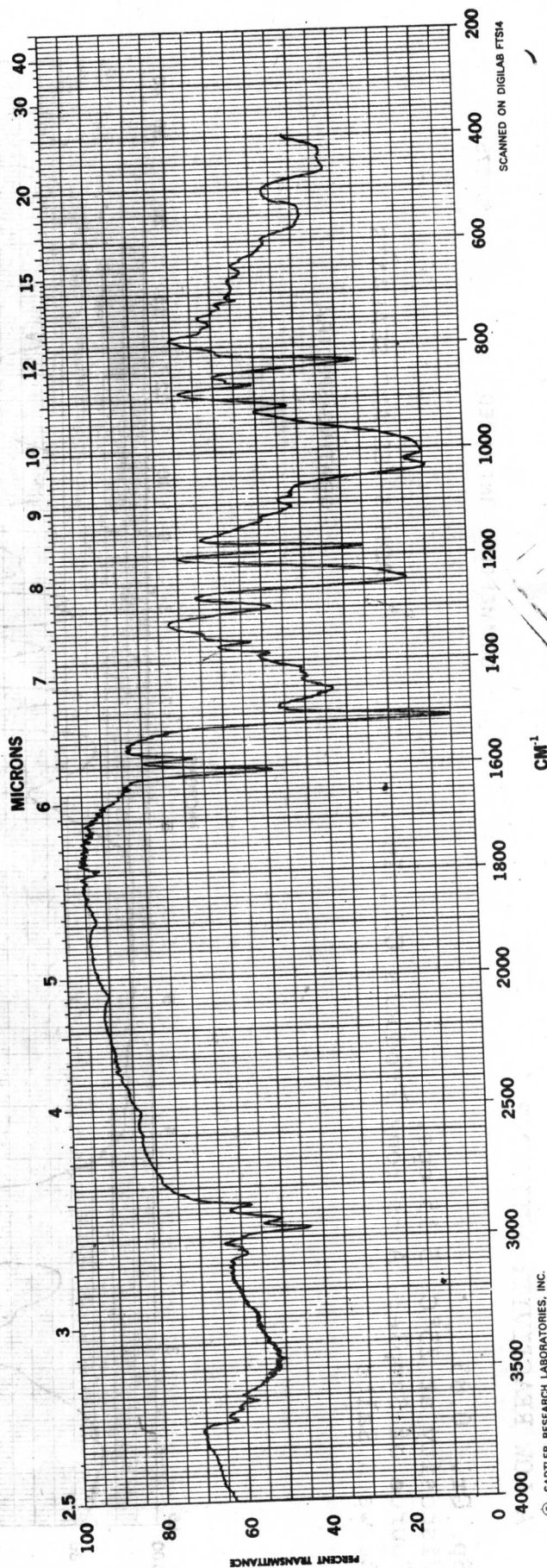
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COMMERCIAL - INFRARED

Source of Sample: Armstrong Products Co., Inc.
Film

ADHESIVES AND SEALANTS

GRATING SPECTRA



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AS 601K

ACTIVATOR E

A LOW REACTIVITY ACTIVATOR

Sp. Gr. 0.83

Viscosity at 25°C 5-15 cps.

Source of Sample: Armstrong Products Co., Inc.
Between Salts



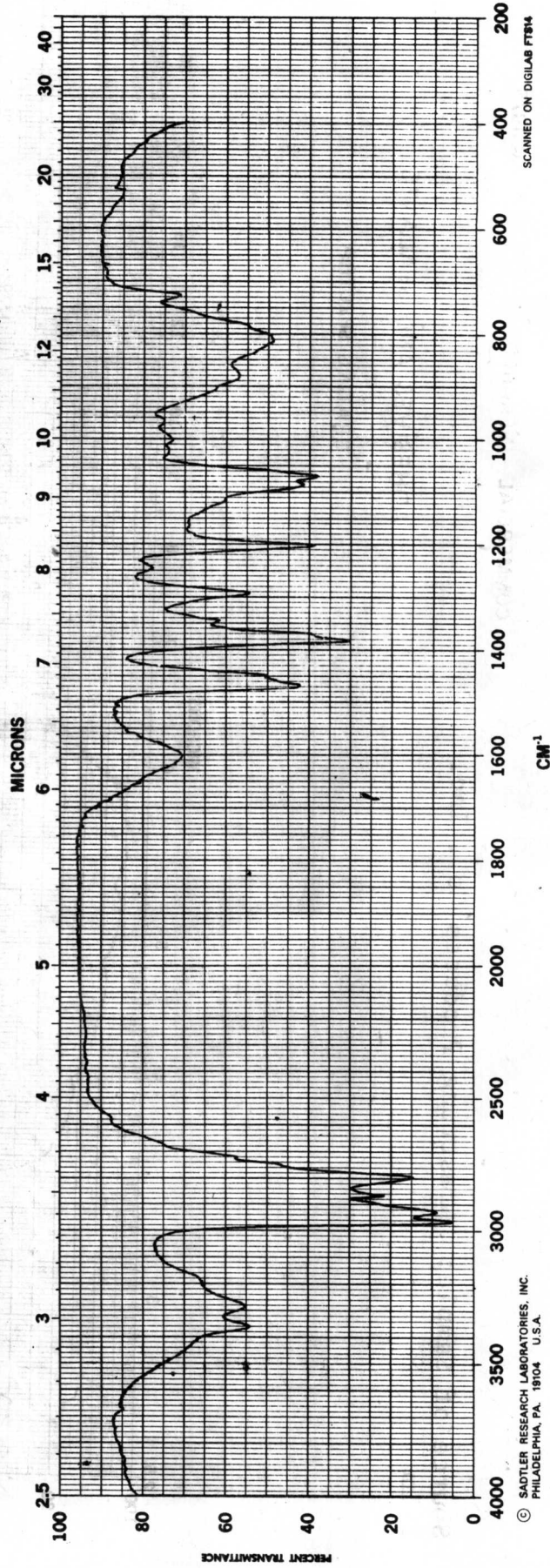
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SCANNED ON DIGILAB FT/84

AS 602K



A-1/ACTIVATOR E (CURED)

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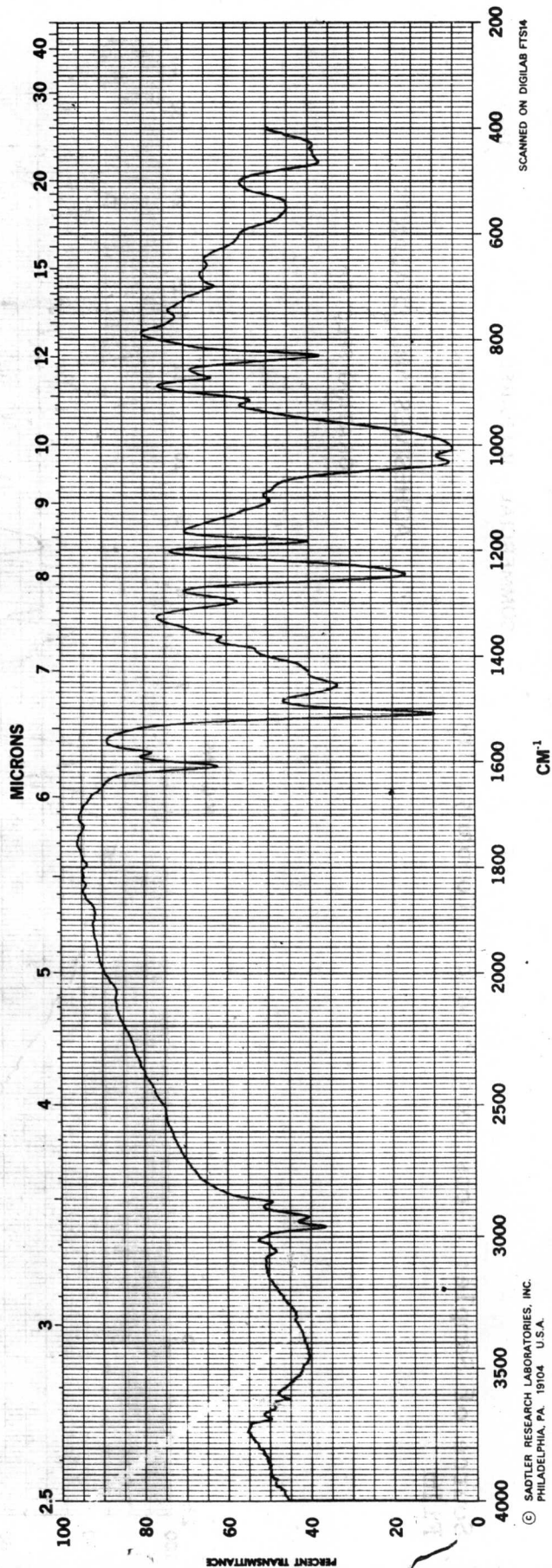
Mixing Ratio (Parts A-1:Act.E) 100:6 by Weight
Source of Sample: Armstrong Products Company, Inc.
Film

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ADHESIVES AND SEALANTS

GRATING SPECTRA



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SCANNED ON DIGILAB FTS14

AS 603K

A-3



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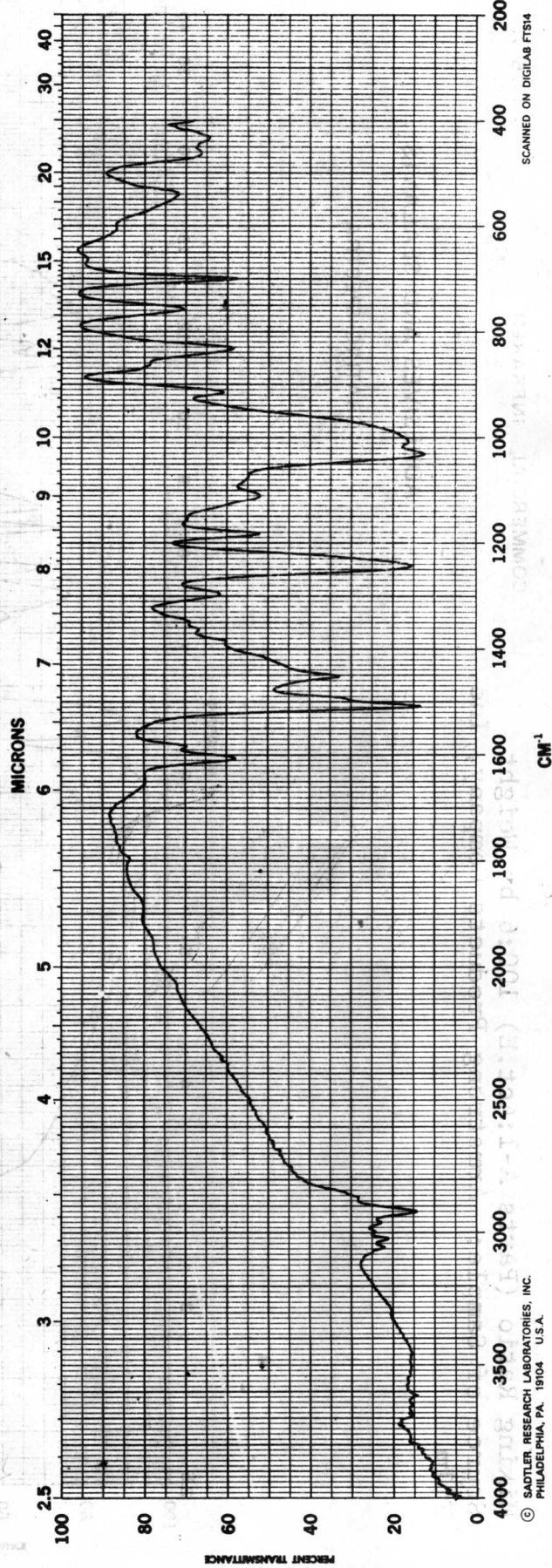
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Source of Sample: Armstrong Products Company, Inc.
Film

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GRATING SPECTRA



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SCANNED ON DIGILAB FTS4

AS 604K

V2



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A-3/ACTIVATOR E (CURED)

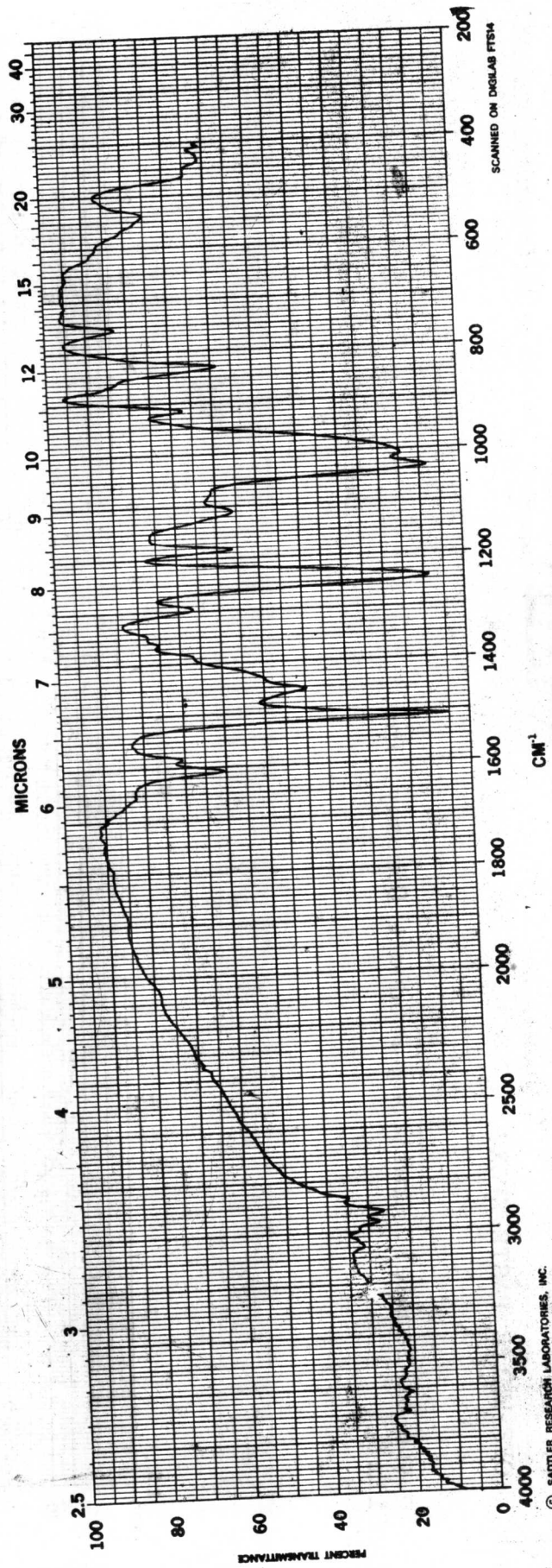
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Mixing Ratio (Parts A-3:Act.E) 100:6 by Weight
Source of Sample: Armstrong Products Company, Inc.
Film

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GRATING SPECTRA



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AS 605K

A-2

OFF-WHITE PASTE EPOXY



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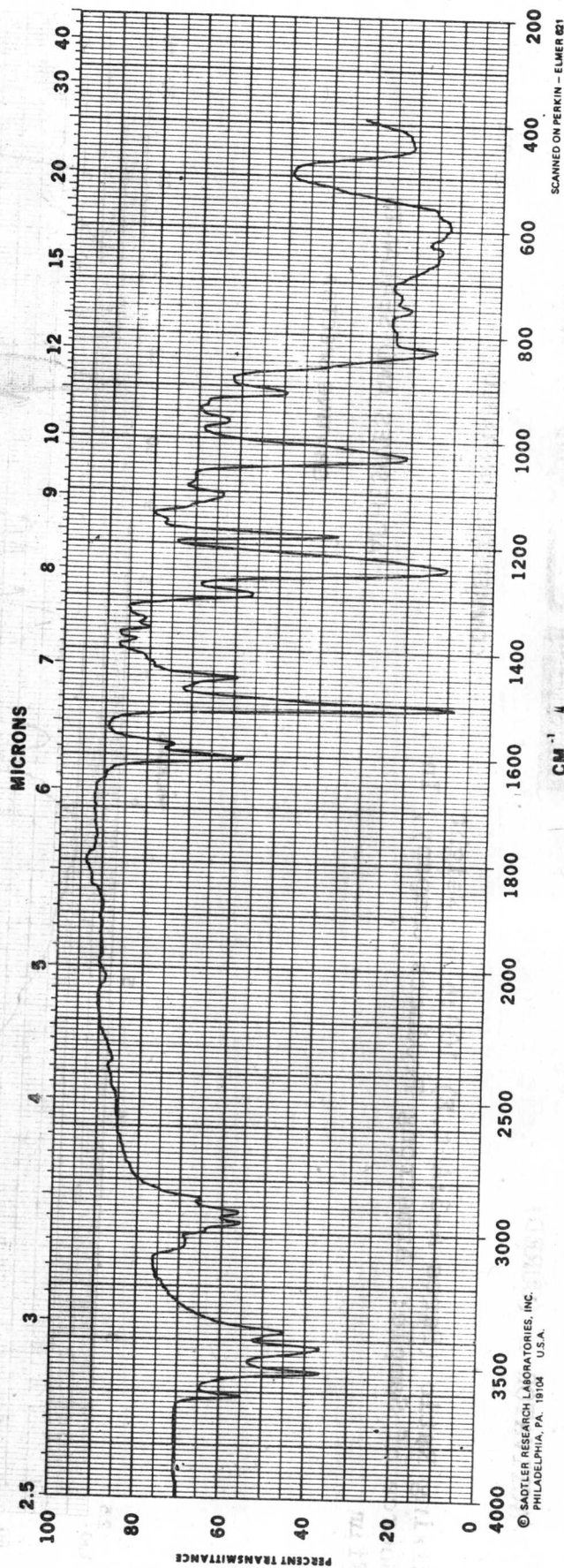
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Source of Sample: Armstrong Products Company, Inc.
Film

ADHESIVES AND SEALANTS

GRATING SPECTRA



CM⁻¹

SCANNED ON PERKIN - ELMER 821

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AS 606K

ACTIVATOR A



SADTLER RESEARCH LABORATORIES INC.

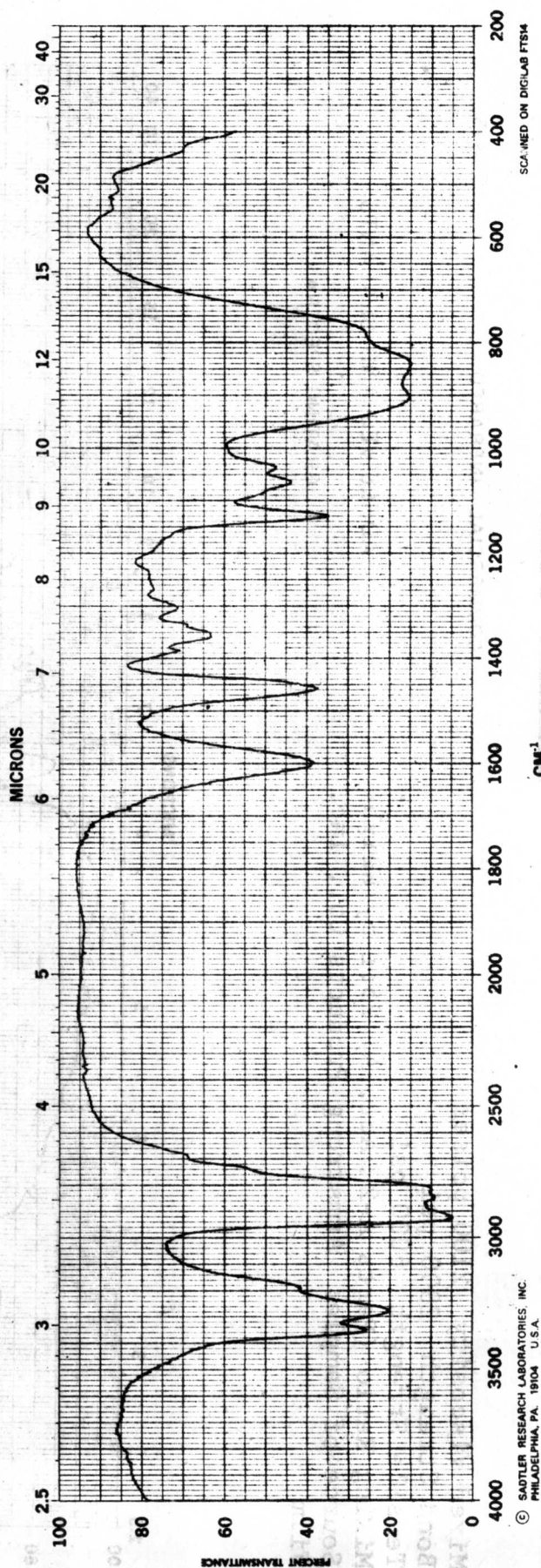
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Source of Sample: Armstrong Products Co., Inc.
Between Salts

ADHESIVES AND SEALANTS

GRATING SPECTRA



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CM⁻¹

AS 607K



A-2/ACTIVATOR A (CURED)

SADTLER RESEARCH LABORATORIES, INC.

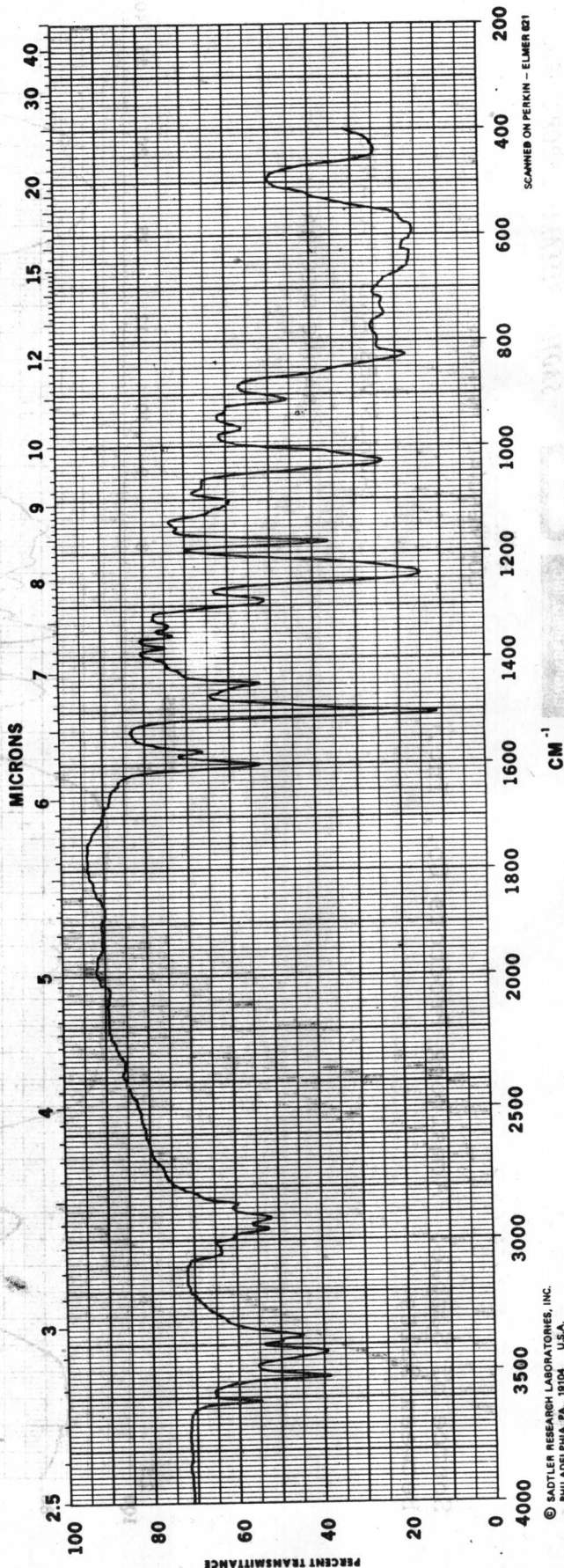
Mixed Viscosity 2100 poises
Bond Strength 2800 psi
Tensile Strength 6000 psi
Mixing Ratio (Parts A-2: Act. A) 25:1 by Weight
Source of Sample: Armstrong Products Co., Inc.
Film

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AS 608K



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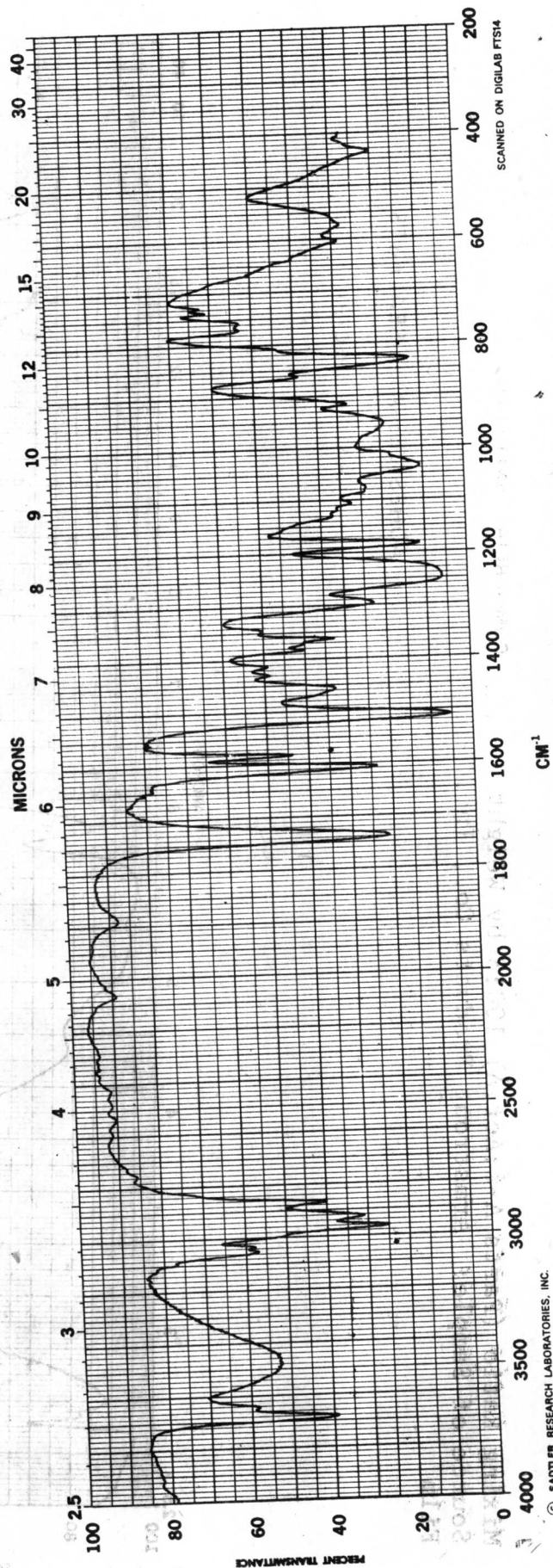
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A VINYL MODIFIED EPOXY ADHESIVE

Sp. Gr. 0.96
 Source of Sample: Armstrong Products Co., Inc.
 Film

ADHESIVES AND SEALANTS

GRATING SPECTRA



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AS 609K

A-6/ACTIVATOR A (CURED)

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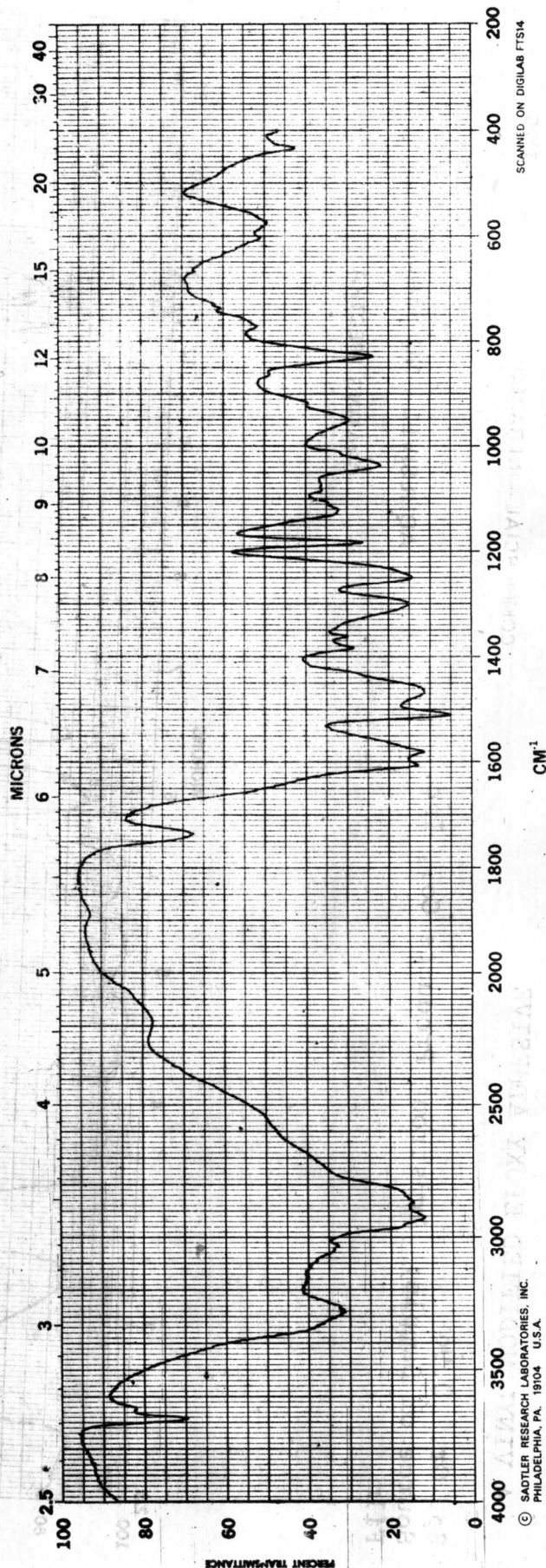
Mixing Ratio (Parts A-6:Act.A) 100:8 by Weight
Source of Sample: Armstrong Products Co., Inc.
Film

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GRATING SPECTRA



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SCANNED ON DIGILAB FTS14

AS 610K



A-34 PART A

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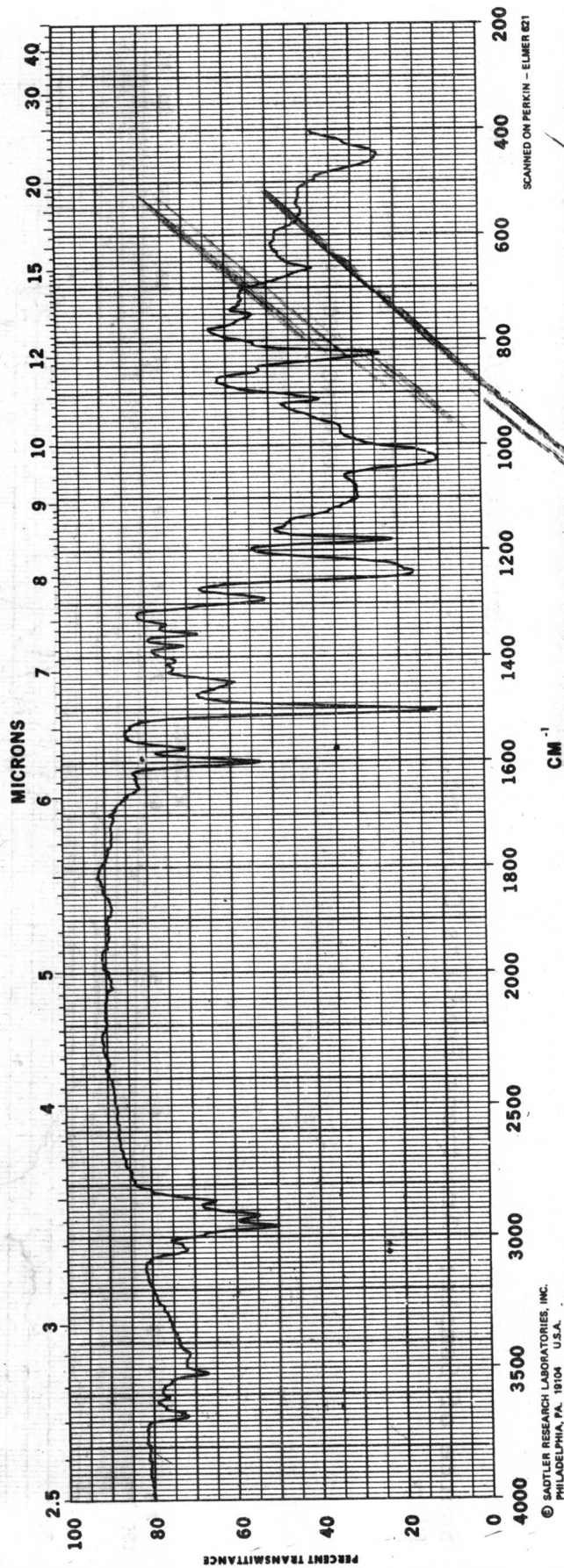
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Source of Sample: Armstrong Products Co., Inc.
Film

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AS 611K



A-34 PART B

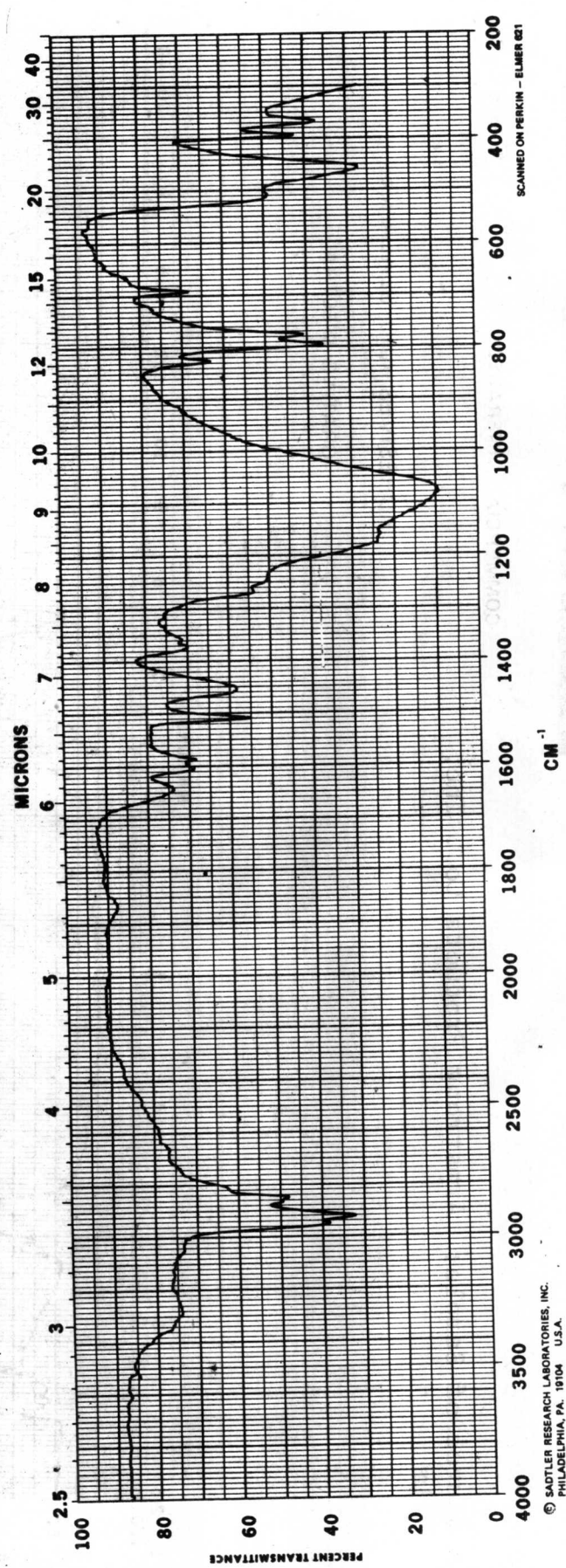
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Source of Sample: Armstrong Products Co., Inc.
Film

ADHESIVES AND SEALANTS
GRATING SPECTRA



SCANNED ON PERKIN - ELMER 821

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AS 612K



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A-34 (CURED)

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Mixed Viscosity 2800 poises

Bond Strength 1500 psi

Tensile Strength 1600 psi

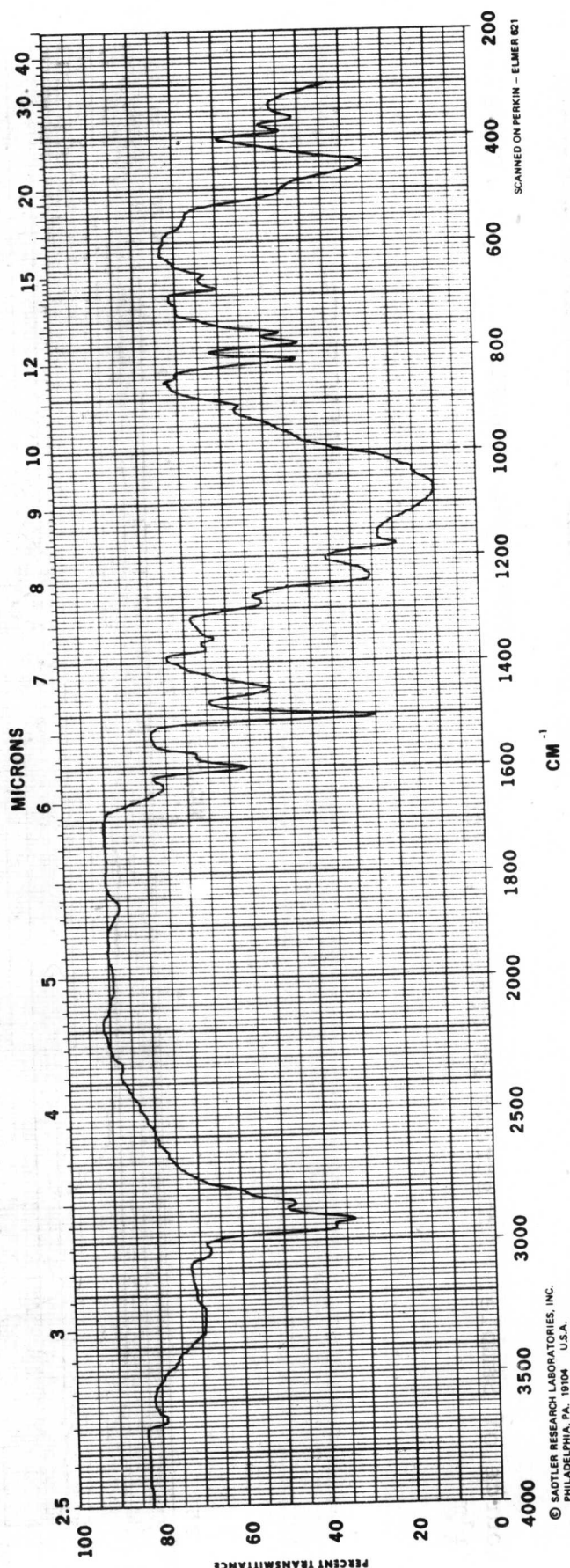
Mixing Ratio (Parts A:B) 1:1 by Volume

Source of Sample: Armstrong Products Co., Inc.

Film

ADHESIVES AND SEALANTS

GRATING SPECTRA



AS 613K