

**PLASTICIZERS**  
**IR Grating Spectra**  
**Volume 1—2**  
**E 1 K — E 600 K**



---

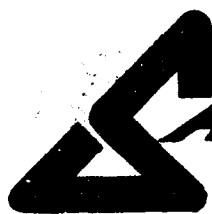
## PLASTICIZERS

---

### GRATING SPECTRA

*Volume 1*

*E1K - E300K*



**ADTLER** RESEARCH LABORATORIES INC

---

## PLASTICIZERS

---

### GRATING SPECTRA

*Volume 2*

*E30/K - E600K*

### LEGAL NOTICE

The publication of the physical data of the Sadtler Standard Spectra and the Sadtler Commercial Spectra is intended to be descriptive. As 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, there can be no warranty either implied or otherwise.

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

### COPYRIGHT NOTICE

With the exception of brief intra-company reports, the spectra may not be reproduced without explicit written permission of the Sadtler Research Laboratories, Inc.

Copyright ©1968  
SADTLER RESEARCH LABORATORIES, INC.  
Researchers, Editors & Publishers  
Printed in the United States of America



RESEARCH  
LABORATORIES, INC.

LEFLEX 6811

## LOW TEMPERATURE PLASTICIZER

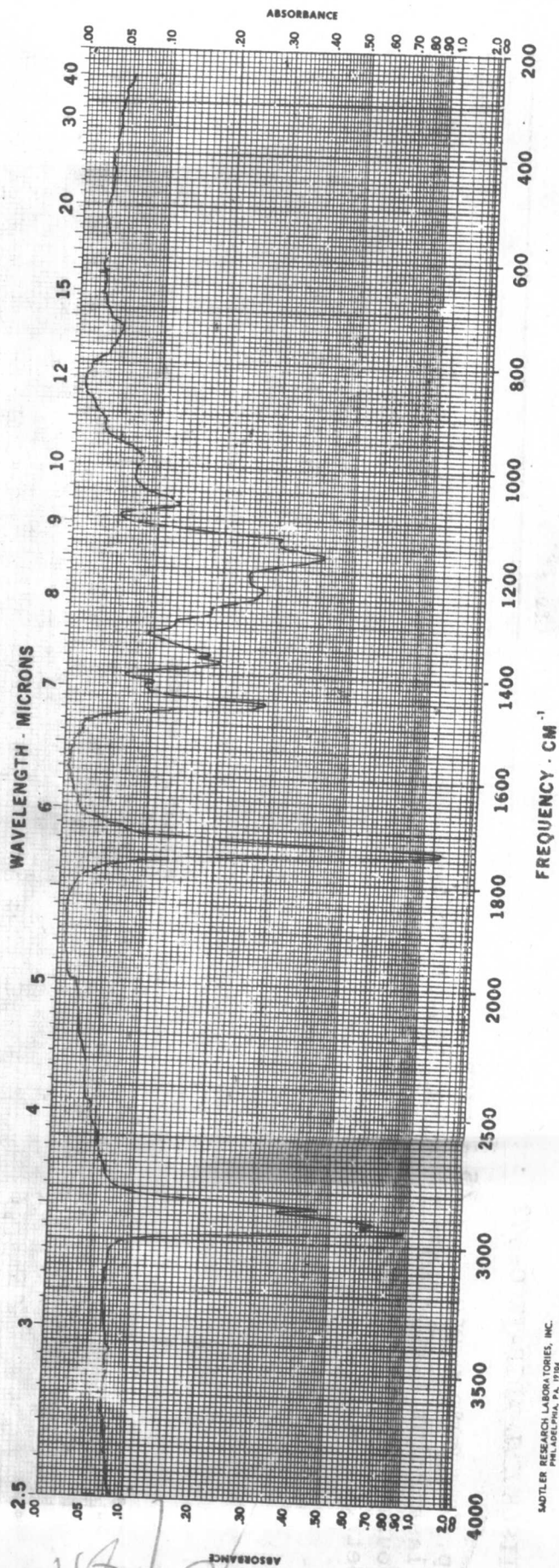
Source: Tenneco Chemicals, Inc., Nuodex Division  
(Formerly Lehigh Chemical Co.)  
Between Salts

COMMERCIAL - INFRARED

61907

PLASTICIZERS

GRATING SPECTRA



ADTLER RESEARCH LABORATORIES, INC.  
PHILADELPHIA, PA. 19104

SCANNED ON PERKIN-ELMER 521

E 1K

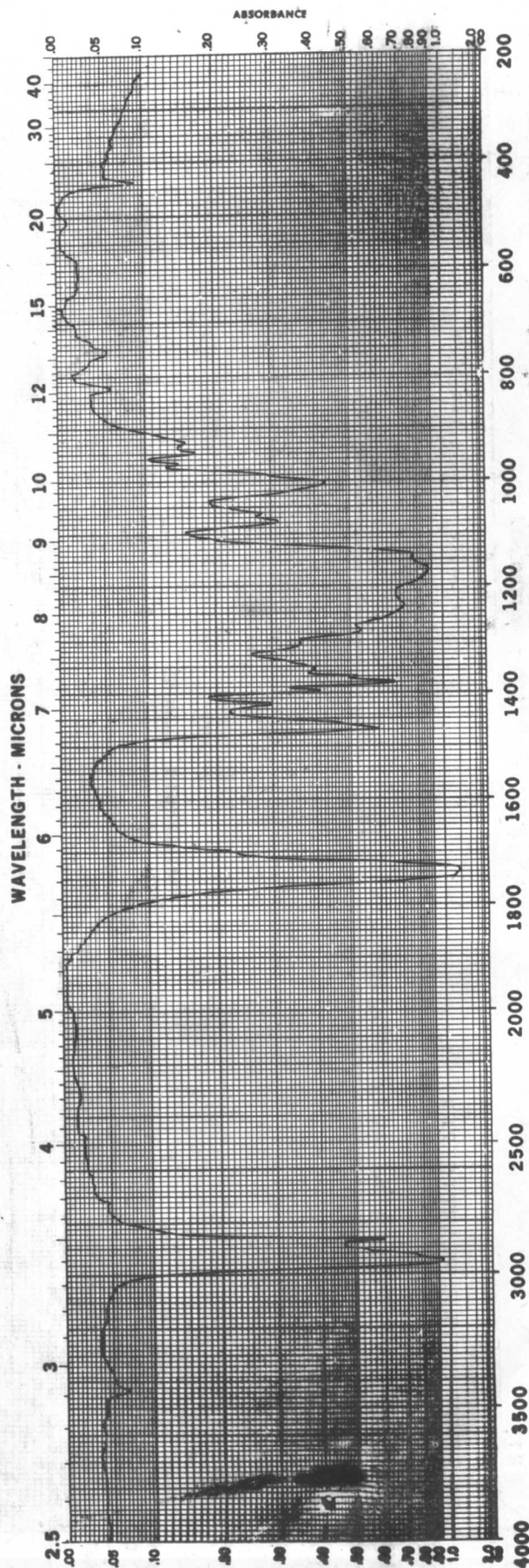
COMMERCIAL — INFRARED

61107

DIISOBUTYL ADIPATE C-642  
Sp. Gr. 20°C 0.950  $n_D^{25}$  1.4293  
Flash Point (COC) 160°C B. P. 135-147°C/4mm  
Source: C. P. Hall Company  
Between Salts

PLASTICIZERS

GRATING SPECTRA



— 1.000.77412 100°

— 1.000.77412 100°

E 2K

MONOPLEX DOA

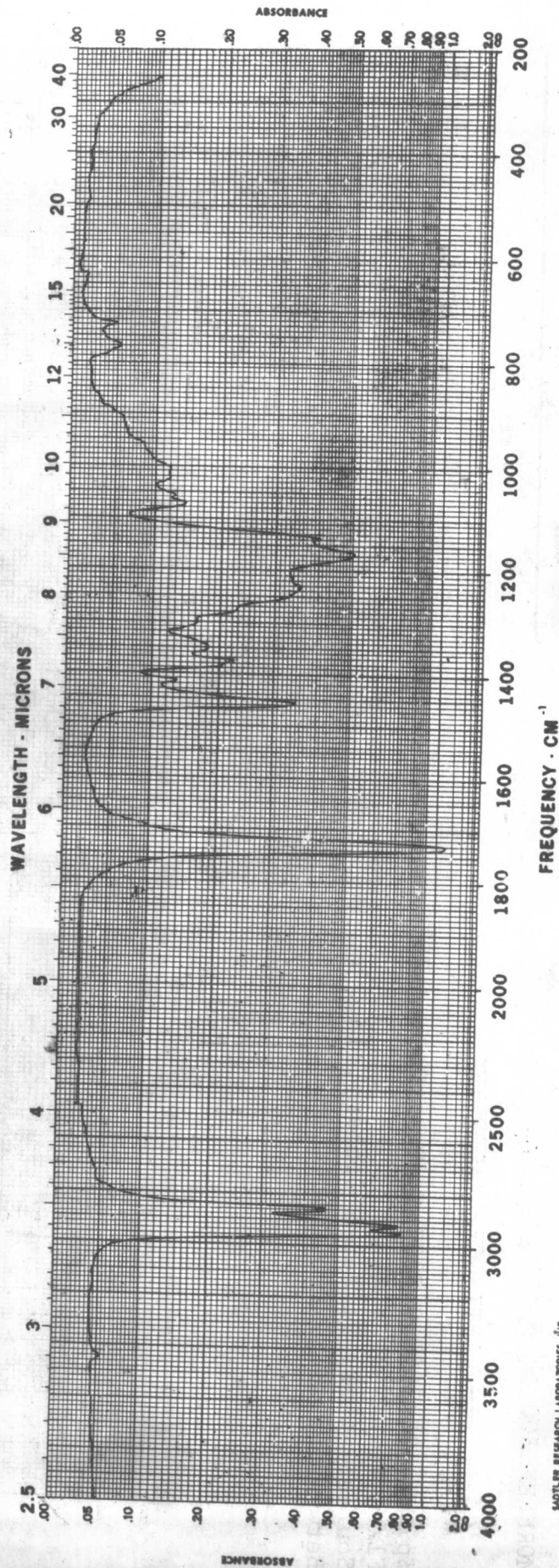
DI-2-ETHYLHEXYL ADIPATE

Flash Point 415°F F. P. < -65°F  $n_D^{25}$  1.446  
 Sp. Gr. 25°C 0.924 Visc. 25°C 0.116 poises  
 Source: Rohm & Haas Company  
 Between Salts

COMMERCIAL — INFRARED

PLASTICIZERS

GRATING SPECTRA



ADTLER RESEARCH LABORATORIES, INC.  
 PHILADELPHIA, PA. 19104

SCANNED ON PERKIN-ELMER 521

E 3K

MORFLEX 300

99.0% min. DIISOCTYL ADIPATE

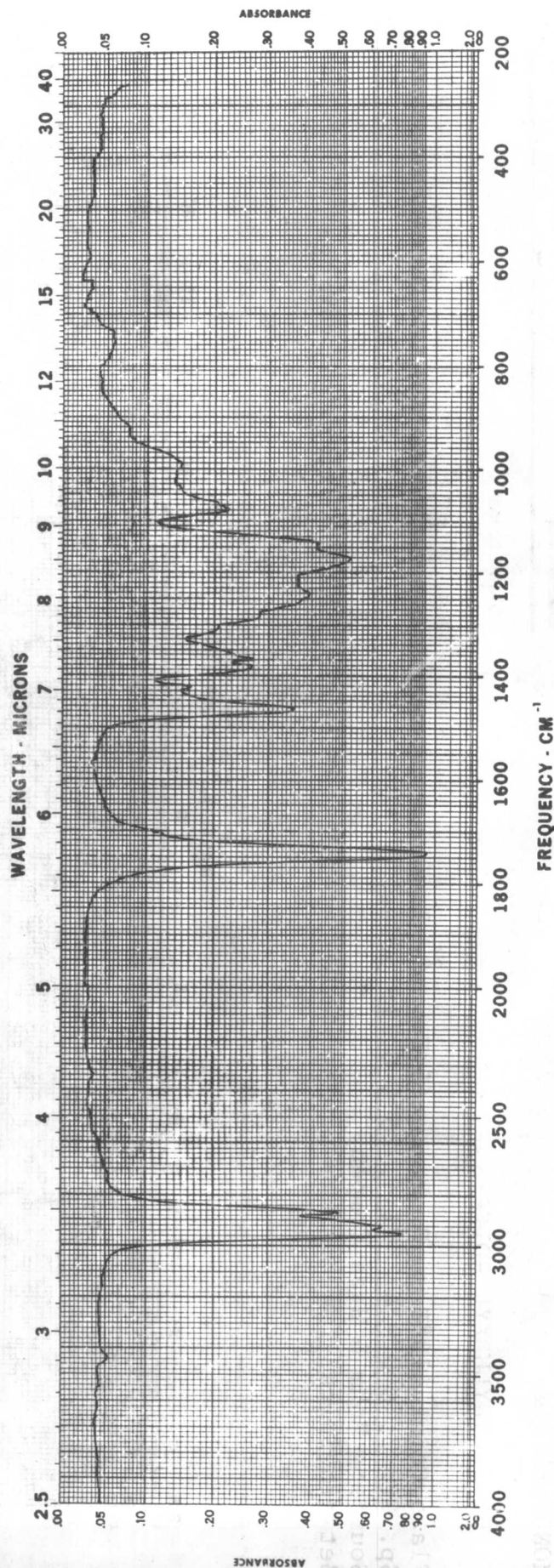
Sp. Gr. 20/20°C 0.9295 Pour Point -75°F  
Flash Point 420°F min.  
Source: Chas. Pfizer & Company, Inc.  
Between Salts

COMMERCIAL — INFRARED

6192

PLASTICIZERS

GRATING SPECTRA



ADTLER RESEARCH LABORATORIES, INC.  
PHILADELPHIA, PA. 19124

SCANNED ON PERKIN-ELMER 521

E 4K

MONOPLEX DIOA

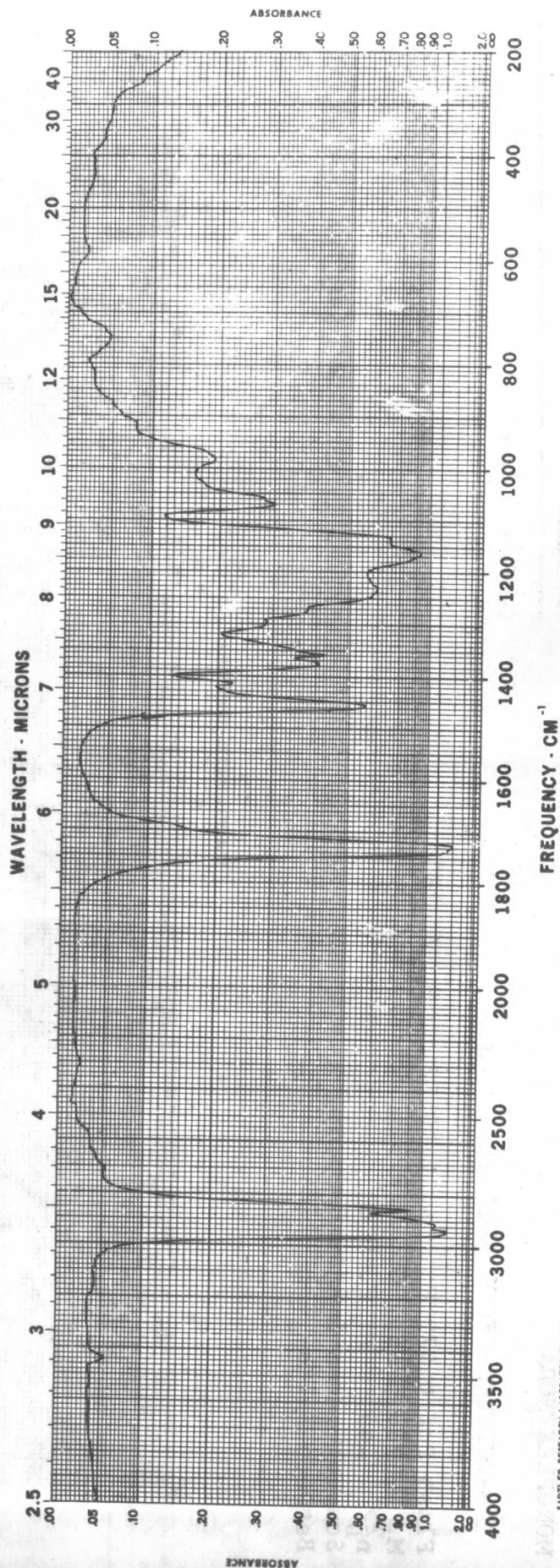
DIISOCTYL ADIPATE

Source: Rohm & Haas Company  
Between Salts

COMMERCIAL — INFRARED

PLASTICIZERS

GRATING SPECTRA



ADTLER RESEARCH LABORATORIES, INC.  
PHILADELPHIA, PA. 19104

SCANNED ON PERKIN-ELMER 521

E 5K

MONOPLEX NODA

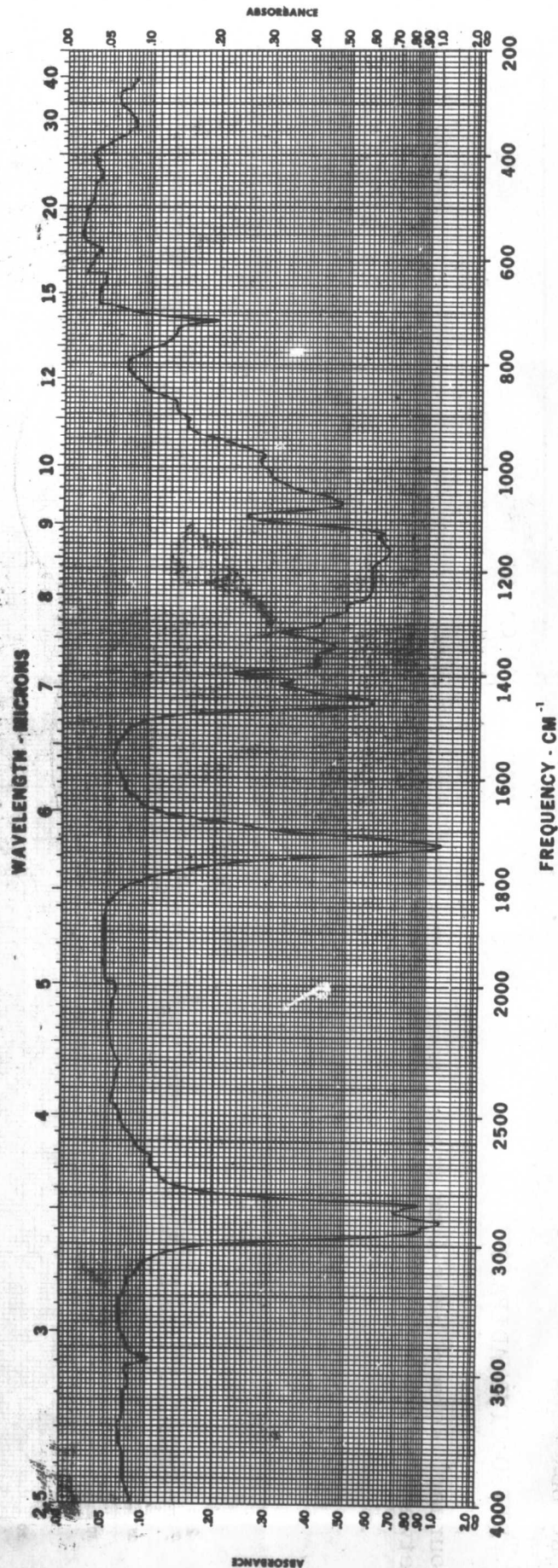
n-OCTYL n-DECYL ADIPATE

Flash Point 475°F A. V. 0.02 S. V. 280  
 M. W. 400 Sp. Gr. 0.913 Visc. 25°C 0.160  
 n<sub>D</sub><sup>25</sup> 1.445 F. P. 0°C  
 Source: Rohm & Haas Company  
 Between Salts

COMMERCIAL — INFRARED

PLASTICIZERS

GRATING SPECTRA



ADTLER RESEARCH LABORATORIES, INC.  
 PHILADELPHIA, PA. 19104

SCANNED ON PERKIN-ELMER 521

E 6K

MONOPLEX DDA

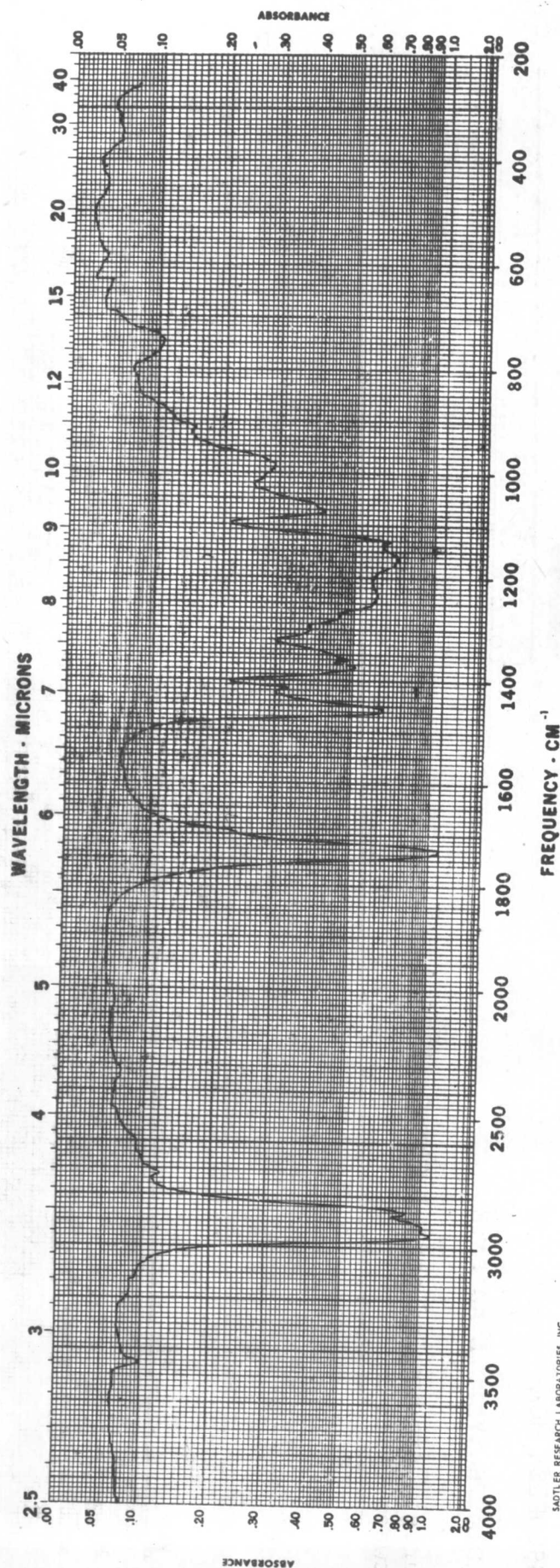
DIISODECYL ADIPATE

Gel Point -70°C Flash Point 430°F  
 Fire Point 470°F Sp. Gr. 60/60°F 0.915  
 n<sub>D</sub> 1.451 Visc. 25°C 0.212 poises  
 Source: Rohm & Haas Company  
 Between Salts

COMMERCIAL — INFRARED

PLASTICIZERS

GRATING SPECTRA



ADTLER RESEARCH LABORATORIES, INC.  
 PHILADELPHIA, PA. 19104

SCANNED ON PERKIN-ELMER 521

E 7K

KESSCOFLEX MCA

DIMETHOXYETHYL ADIPATE

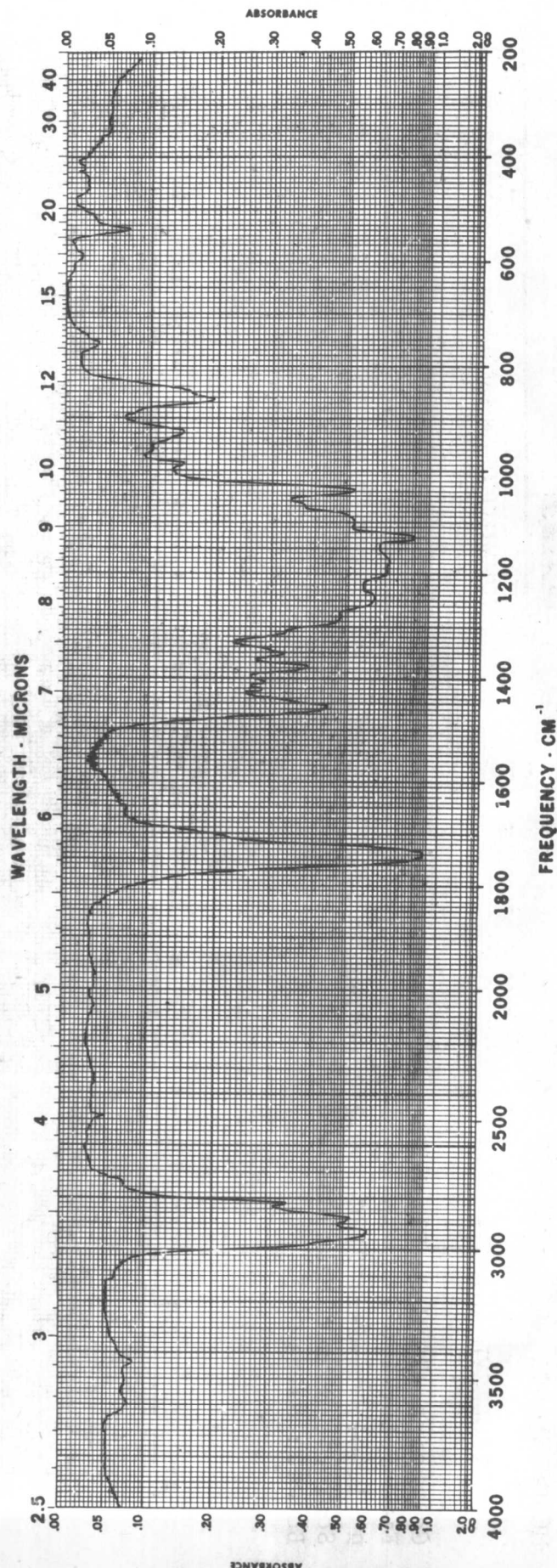
Source: Armour Industrial Chemical Co.  
Between Salts

COMMERCIAL — INFRARED

© 1967

PLASTICIZERS

GRATING SPECTRA



SADTLER RESEARCH LABORATORIES, INC.  
PHILADELPHIA, PA. 19104

SCANNED ON PERKIN-ELMER 521

E 8K



LEFLEX 6812

## LOW TEMPERATURE PLASTICIZER

COMMERCIAL - INFRARED

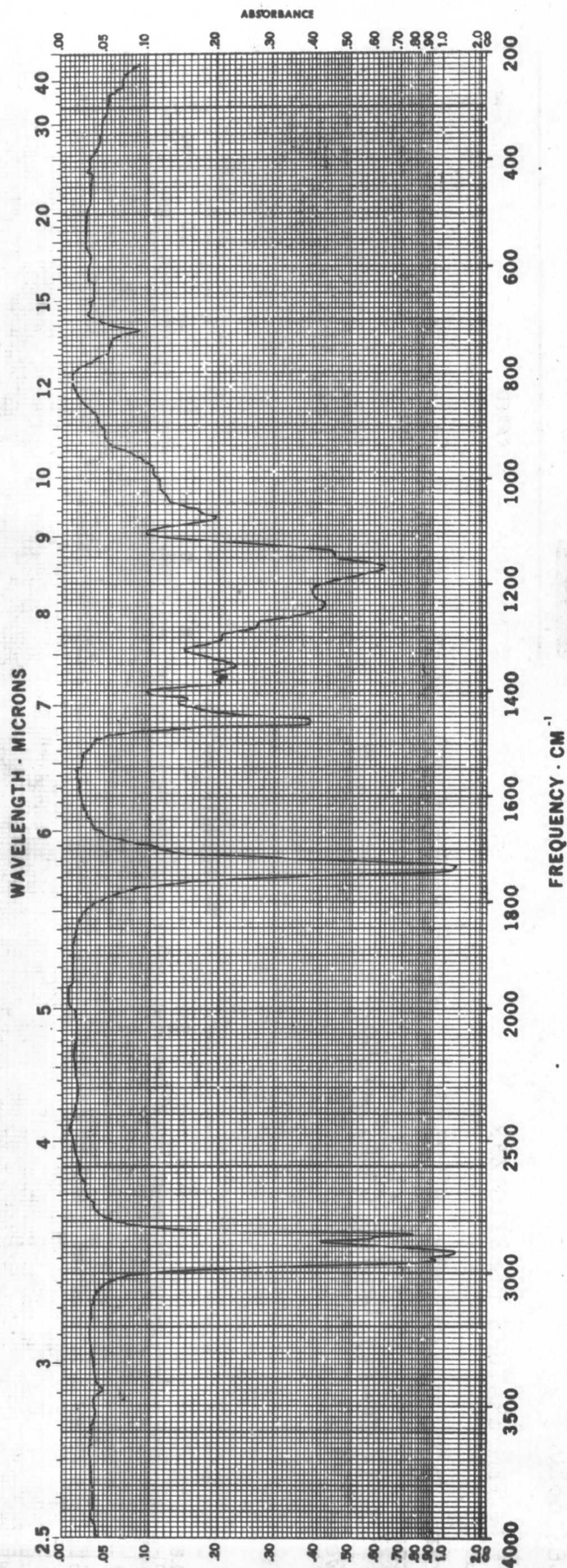
© 1967

Sp. Gr. 25/25°C 0.917 Flash Point (COC) 445°F  
Source: Tenneco Chemicals, Inc., Nuodex Division  
(Formerly Lehigh Chemical Co.)

Between Salts

PLASTICIZERS

GRATING SPECTRA



ADTLER RESEARCH LABORATORIES, INC.  
PHILADELPHIA, PA. 19104

SCANNED ON PERKIN-ELMER 521

E 9K

LEFLEX 6820

LOW TEMPERATURE PLASTICIZER

Sp. Gr. 25°C 0.930 B. P. 240°C Flash Point (COC) 440°F  
 Source: Tenneco Chemicals, Inc., Nuodex Division  
 (Formerly Lehig Chemical Co.)

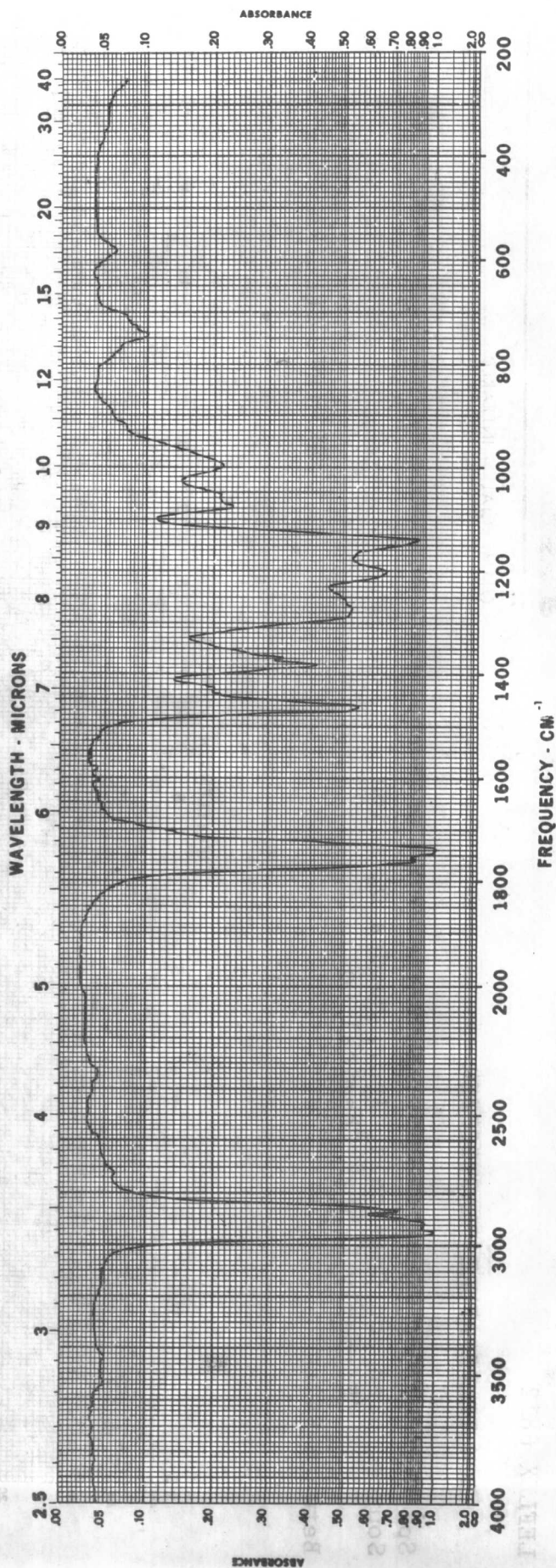
Between Salts

PLASTICIZERS

GRATING SPECTRA

COMMERCIAL - INFRARED

© 1947



ADTLER RESEARCH LABORATORIES, INC.  
 PHILADELPHIA, PA. 19104

SCANNED ON PERKIN-ELMER 571

E 10K



TEXANOL ADIPATE

Sp. Gr. 20/20°C 1.00-1.01 B. P. 331°C/760mm  
n<sub>D</sub> 25/D 1.4528

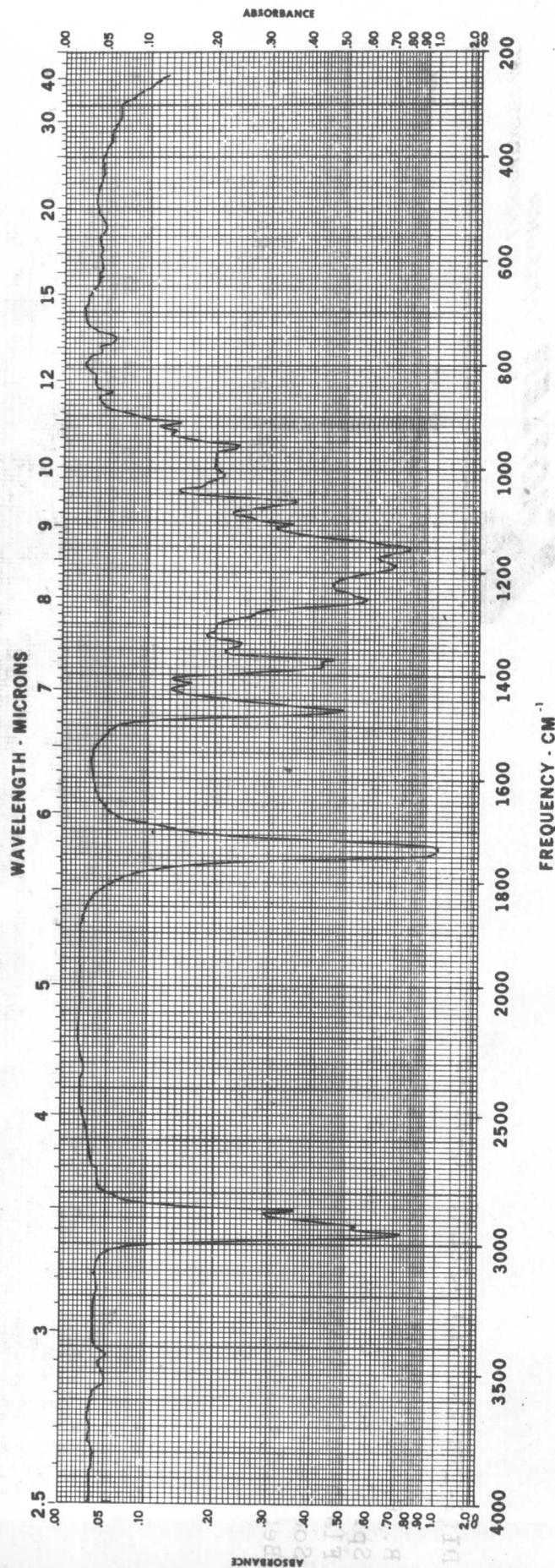
Source: Eastman Chemical Products, Inc.  
Between Salts

COMMERCIAL — INFRARED

© 1947

PLASTICIZERS

GRATING SPECTRA



ADTLER RESEARCH LABORATORIES, INC.  
PHILADELPHIA, PA. 19104

SCANNED ON PERKIN-ELMER 521

E 11K

COMMERCIAL — INFRARED

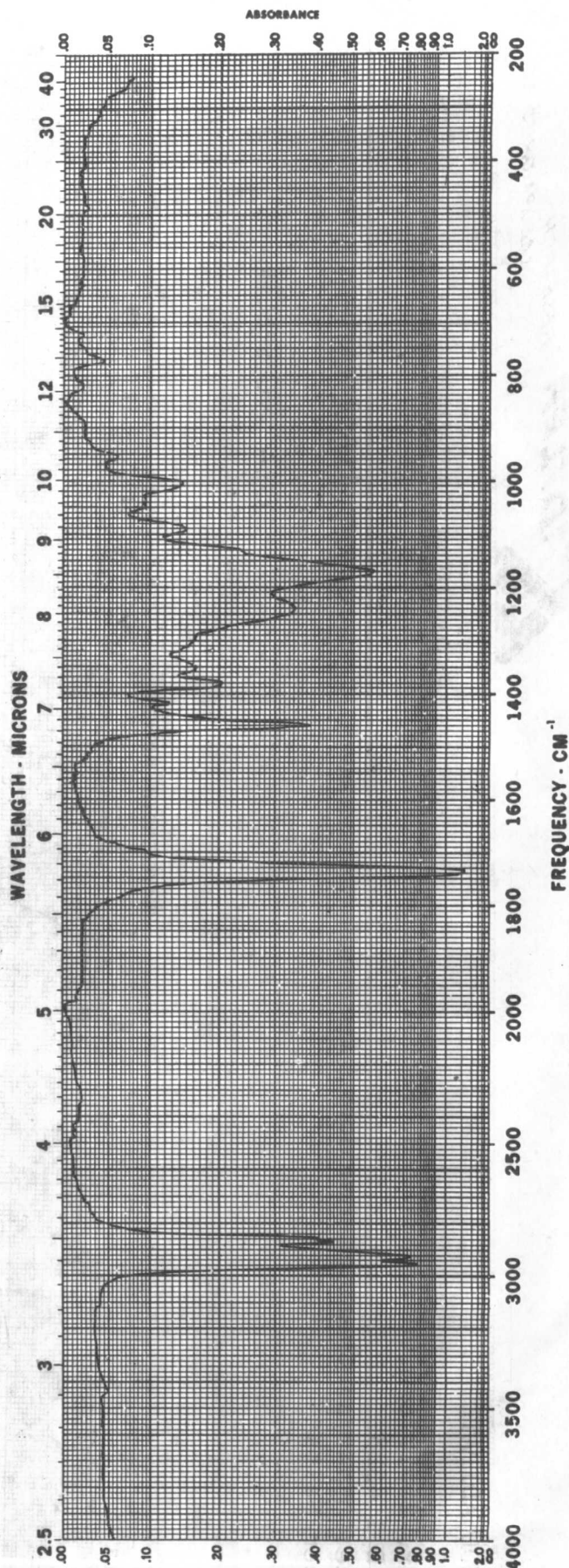
© 1947

PLASTICIZERS

GRATING SPECTRA

DI (2-ETHYL BUTYL) AZELATE Q-915-D

B. P. 230°C/5mm M. P. -65°C  
Sp. Gr. 20°C 0.934 n 25/D 1.4445  
Flash Point (COC) 185°C  
Source: C. P. Hall Co.  
Between Salts



ADTLER RESEARCH LABORATORIES, INC.  
PHILADELPHIA, PA. 19104

SCANNED ON PERKIN-ELMER 521

E 12K

PLASTOLEIN 9051 DNHZ

DI-n-HEXYL AZELATE

COMMERCIAL — INFRARED

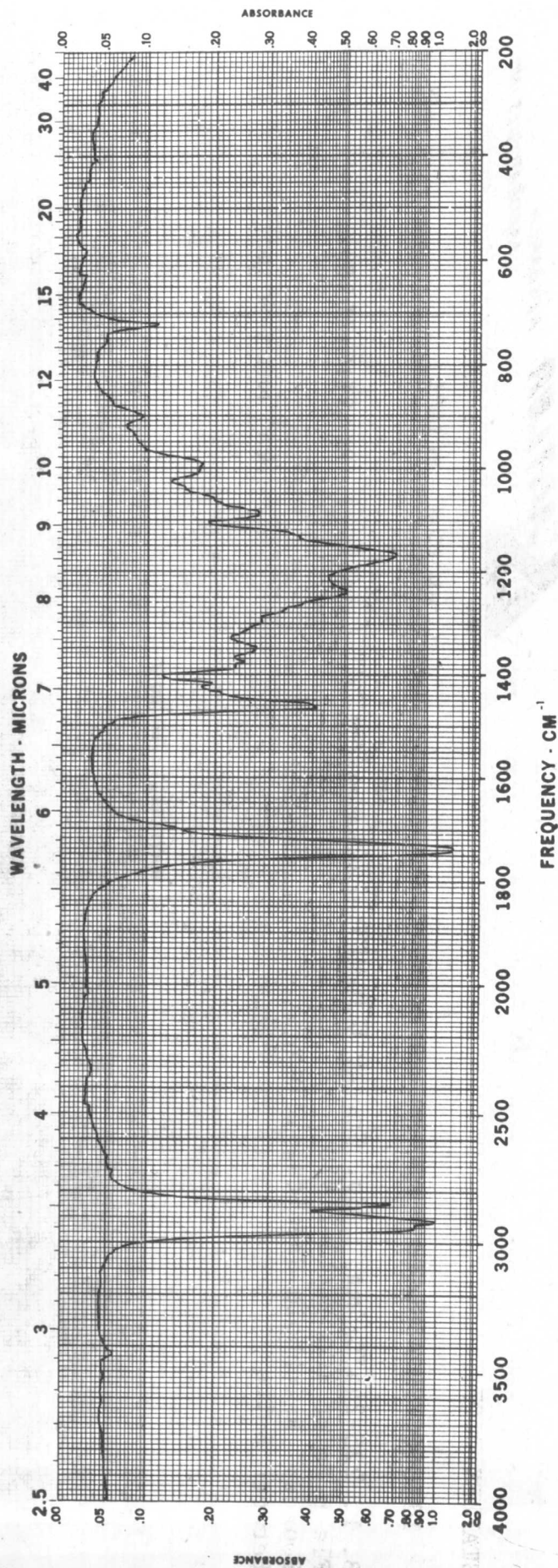
M. W. 356 Sp. Gr. 25°C 0.919 n 25/D 1.444

Flash Point (COC) 205°C

Source: Emery Industries, Inc.  
Between Salts

PLASTICIZERS

GRATING SPECTRA



ADTLER RESEARCH LABORATORIES, INC.  
PHILADELPHIA, PA. 19104

SCANNED ON PERKIN-ELMER 321

E 13K