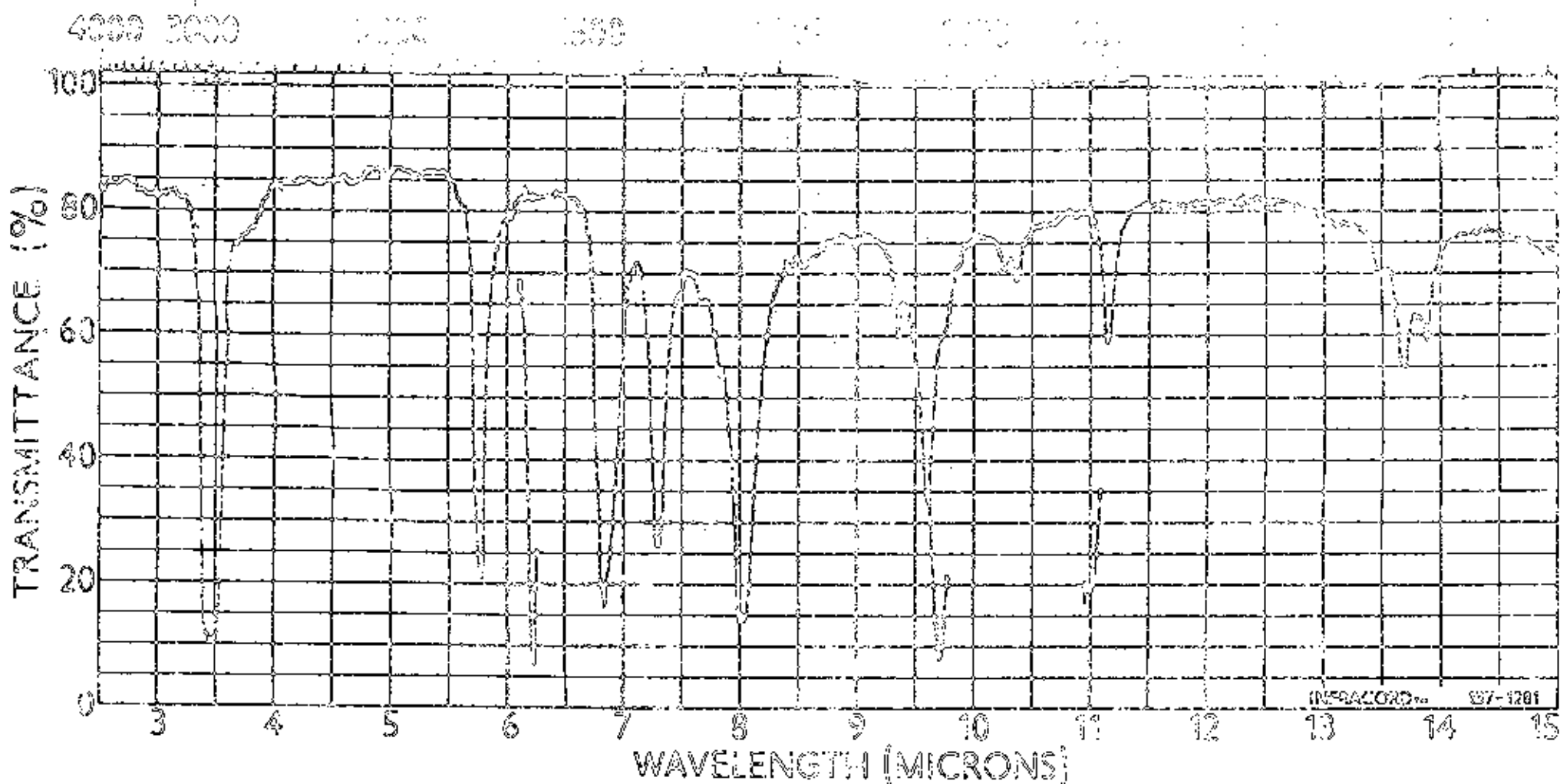


CHAPTER IV
SPECTROSCOPIC RESULTS

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Fig. 2. Infra-red spectrum of the acetate of the alcohol m.p. 103° - 104°.



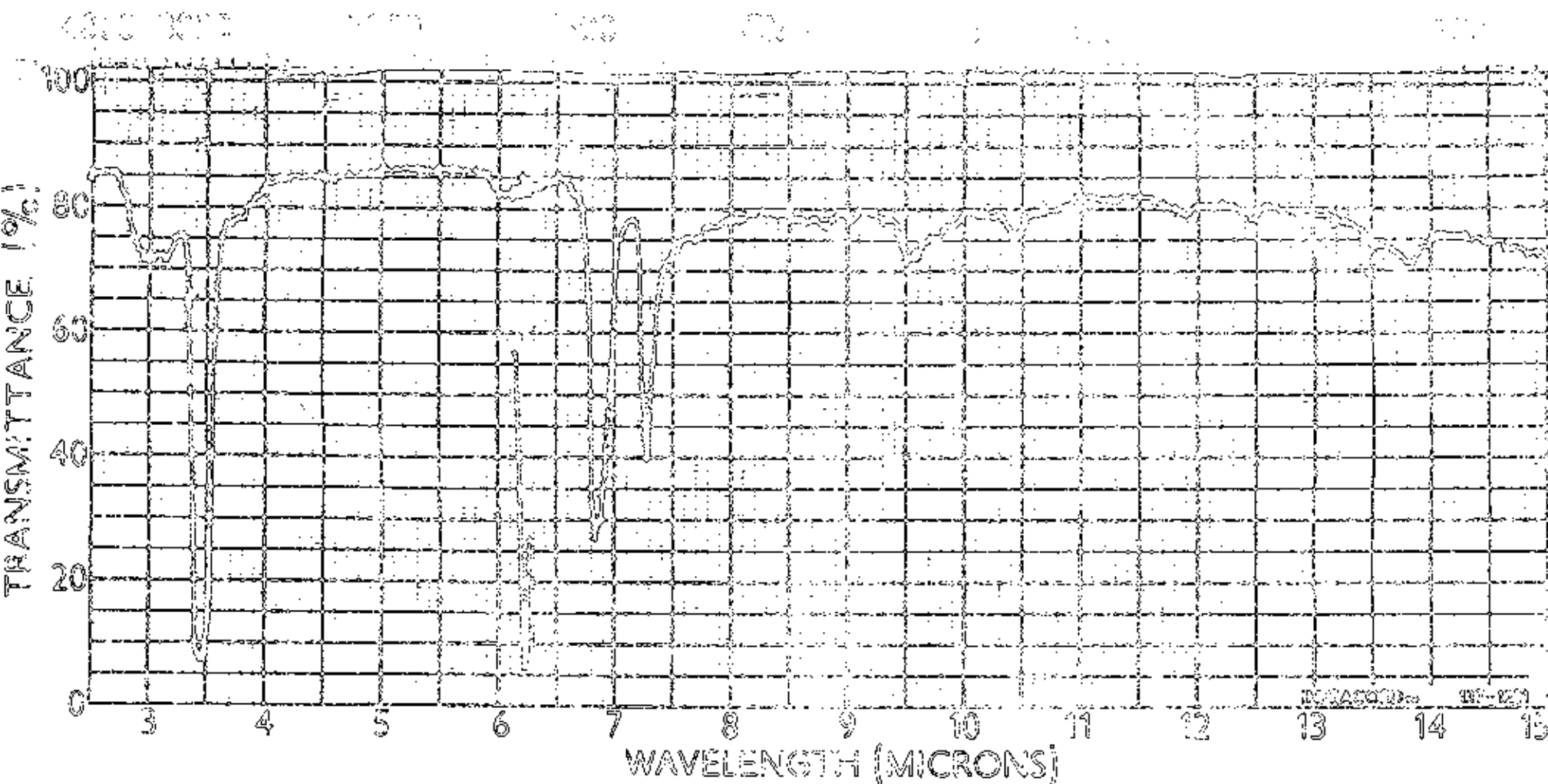
SPECTRUM NO. II	ORIGIN	LEGEND	REMARKS
SAMPLE Acetate of the alcohol m.p 103° 100° (m.p 60°-61°)		1.	
	PURITY	2.	
	PHASE Nujol	DATE 17-12-1966	
	THICKNESS	OPERATOR Padana	

Fig. 3. Infra-red spectrum of the benzoate of the alcohol m.p. 103° - 104°.



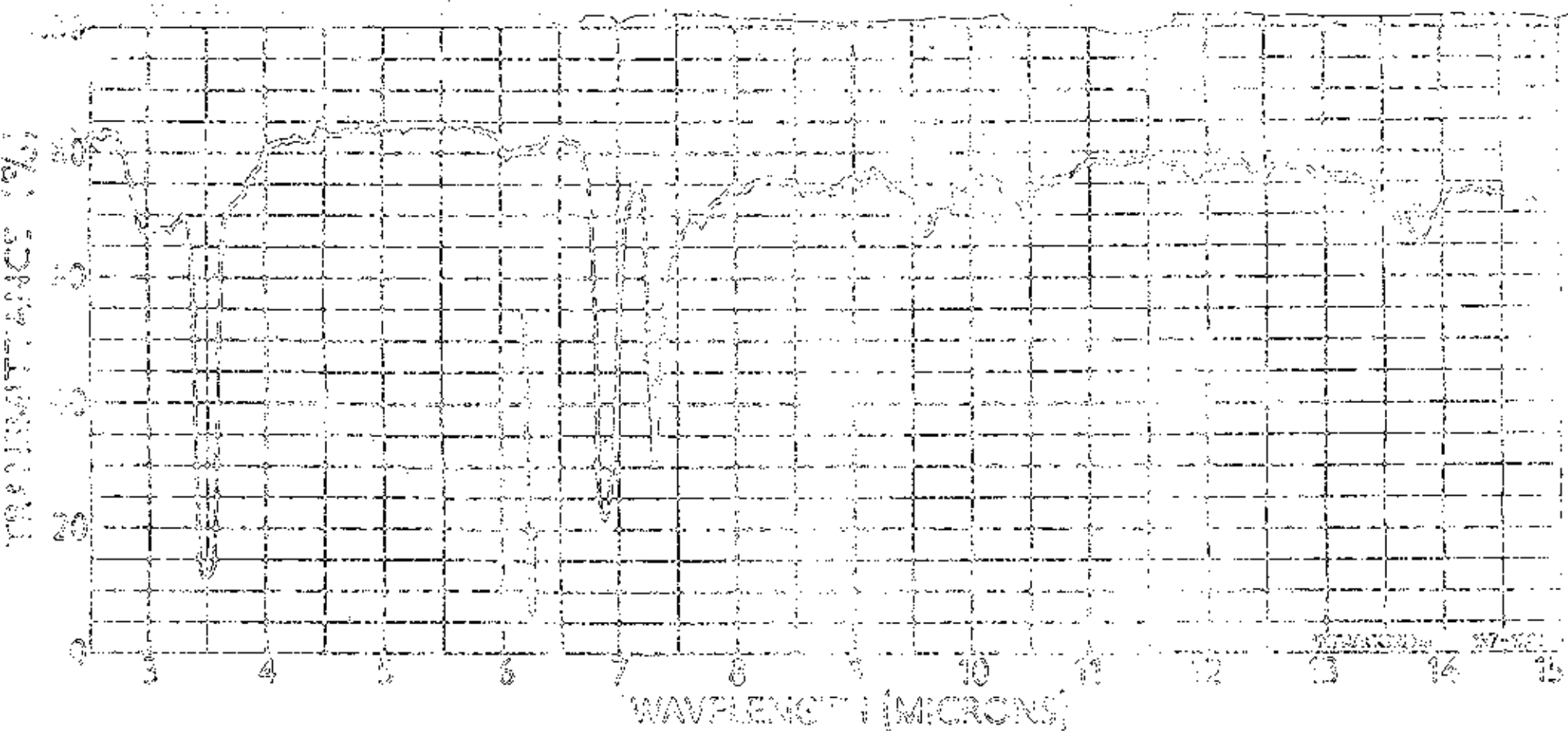
SPECTRUM NO. <u>III</u>	ORIGIN	LEGEND	REMARKS
SAMPLE <u>Benzoate m.p.</u>		1.	
<u>60°-61°, derived from</u>	PURITY	2.	
<u>this alcohol m.p. 103°-104°</u>	PHASE <u>NaCl</u>	DATE <u>17-12-1964</u>	
	THICKNESS	OPERATOR <u>P. Jones</u>	

Fig. 4. Infra-red spectrum of the compound m.p. 135° - 136° from banana leaves wax.



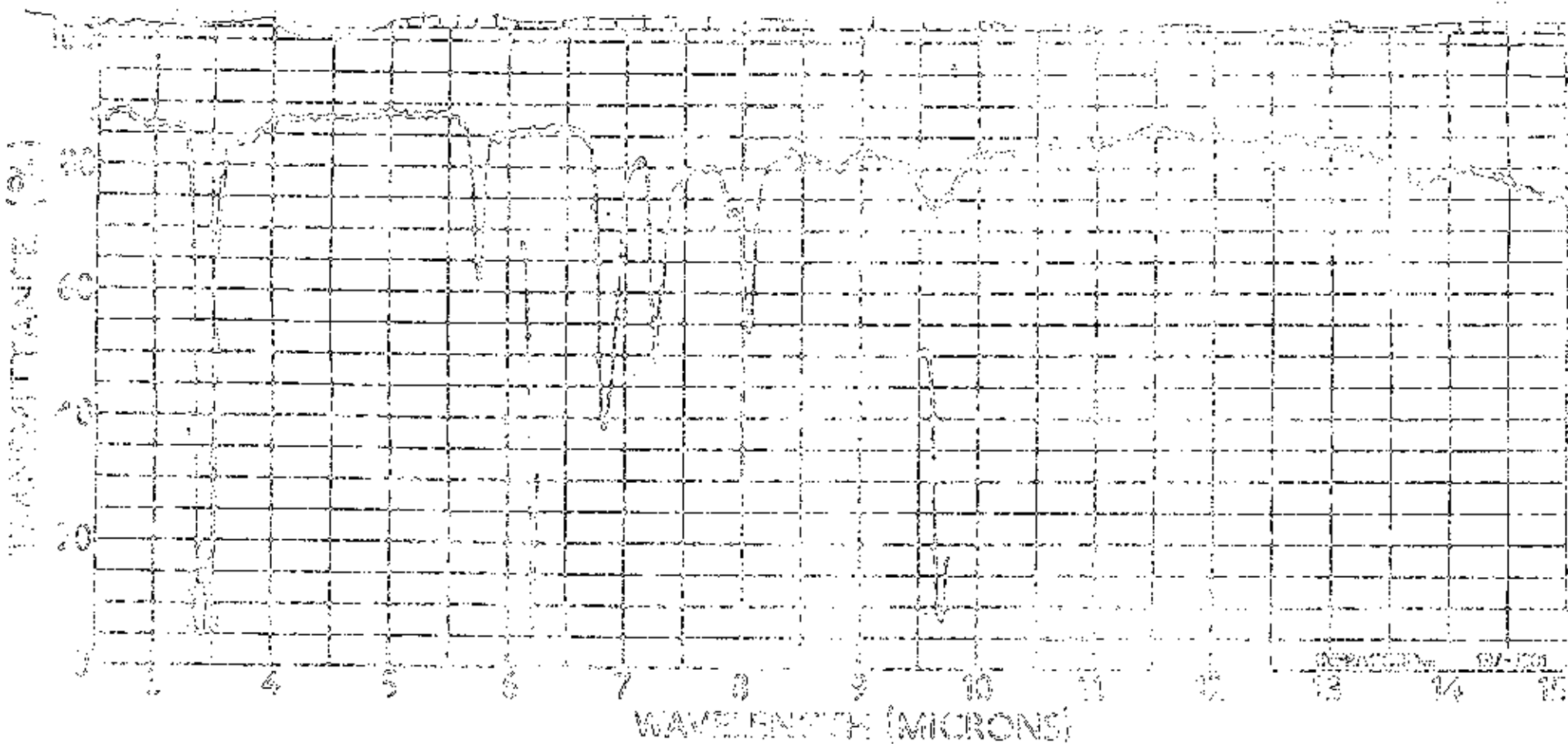
SPECTRUM NO. <i>IV</i>	ORIGIN	LEGEND	REMARKS
SAMPLE <i>Cpd. m.p. 135°-136°</i>			
<i>from banana leaves</i>	PURITY		
<i>wax</i>	PHASE <i>Methyl</i>	DATE <i>10-8-1968</i>	
	THICKNESS	OPERATOR <i>Pobana</i>	<i>02</i>

Fig. 5. Infra-red spectrum of β -sitosterol.



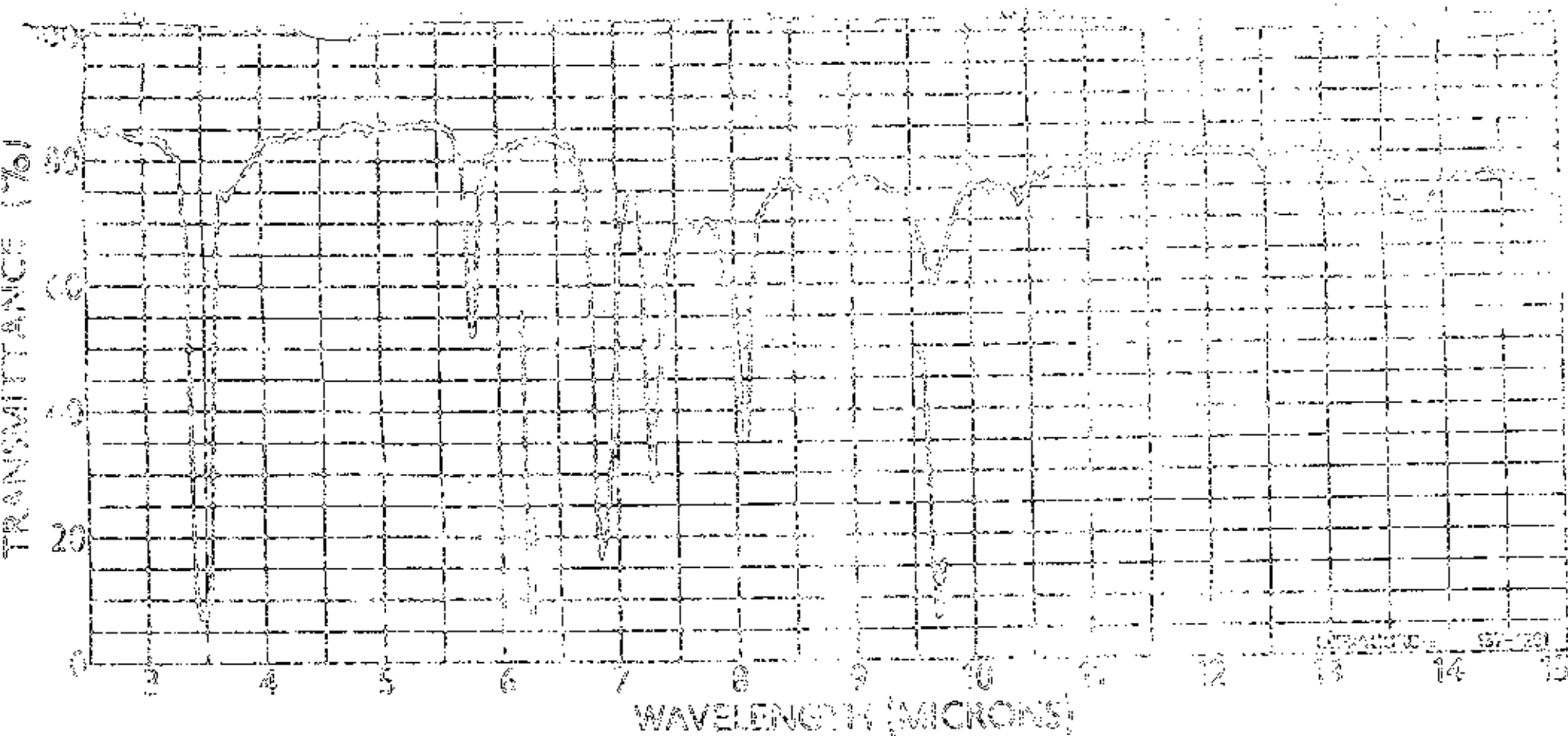
SPECTRUM NO.	ORIGIN	LEGEND	REMARKS
5			
SAMPLE β -sitosterol			
	PURITY		
	PHASE α/β	DATE 5-11-1960	
	THICKNESS	OPERATOR C. H. ...	

Fig. 6. Infra-red spectrum of the acetate of the compound m.p. 135° - 136°.



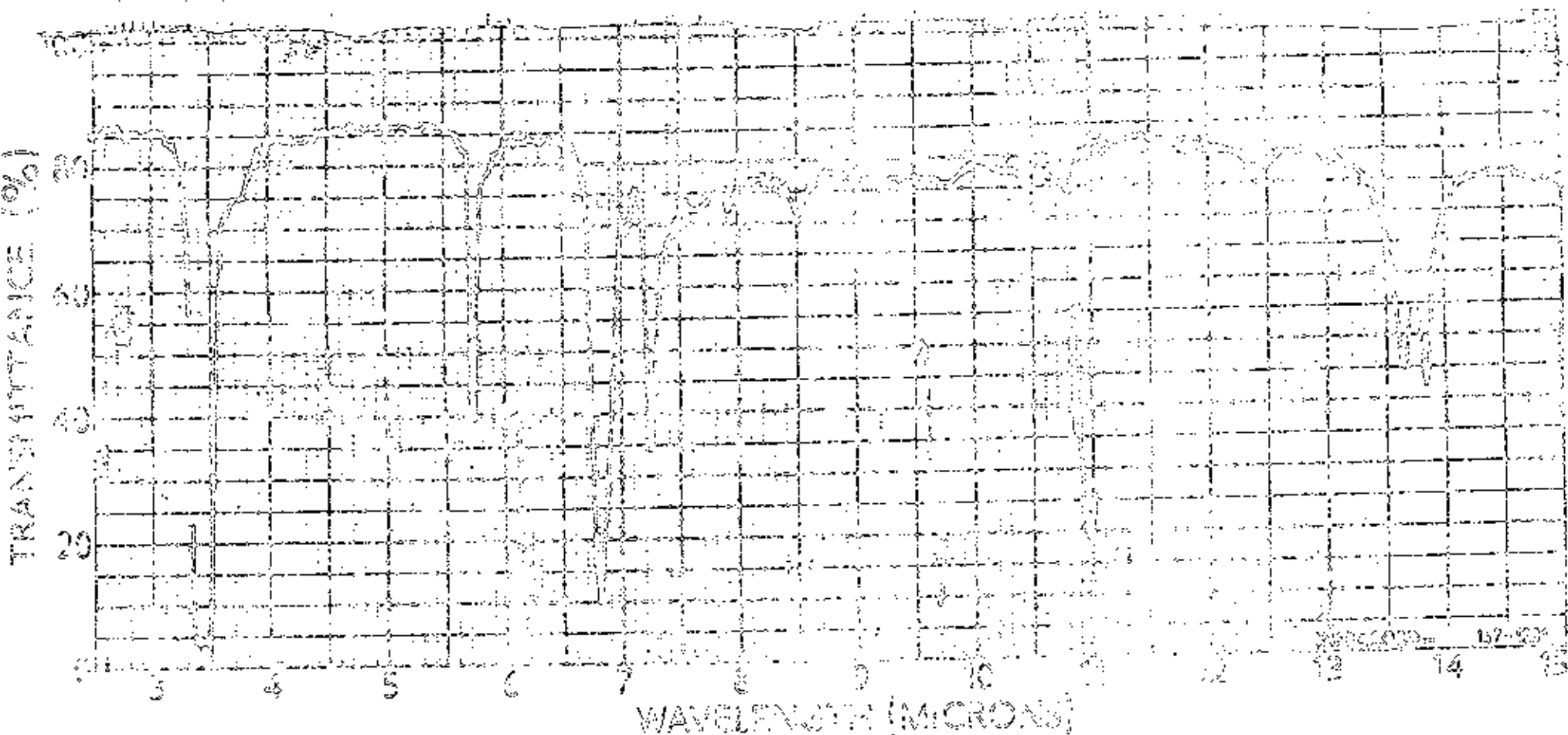
SPECTRUM NO.	ORIGIN	LEGEND	REMARKS
Acetate of			
the epd from banana	PURITY		
REVISED SPEC. m.p. 135-136	PHASE Nujol	DATE 5-11-1960	
	THICKNESS	OPERATOR Petrus	

Fig. 7. Infra-red spectrum of β -sitosterol acetate.



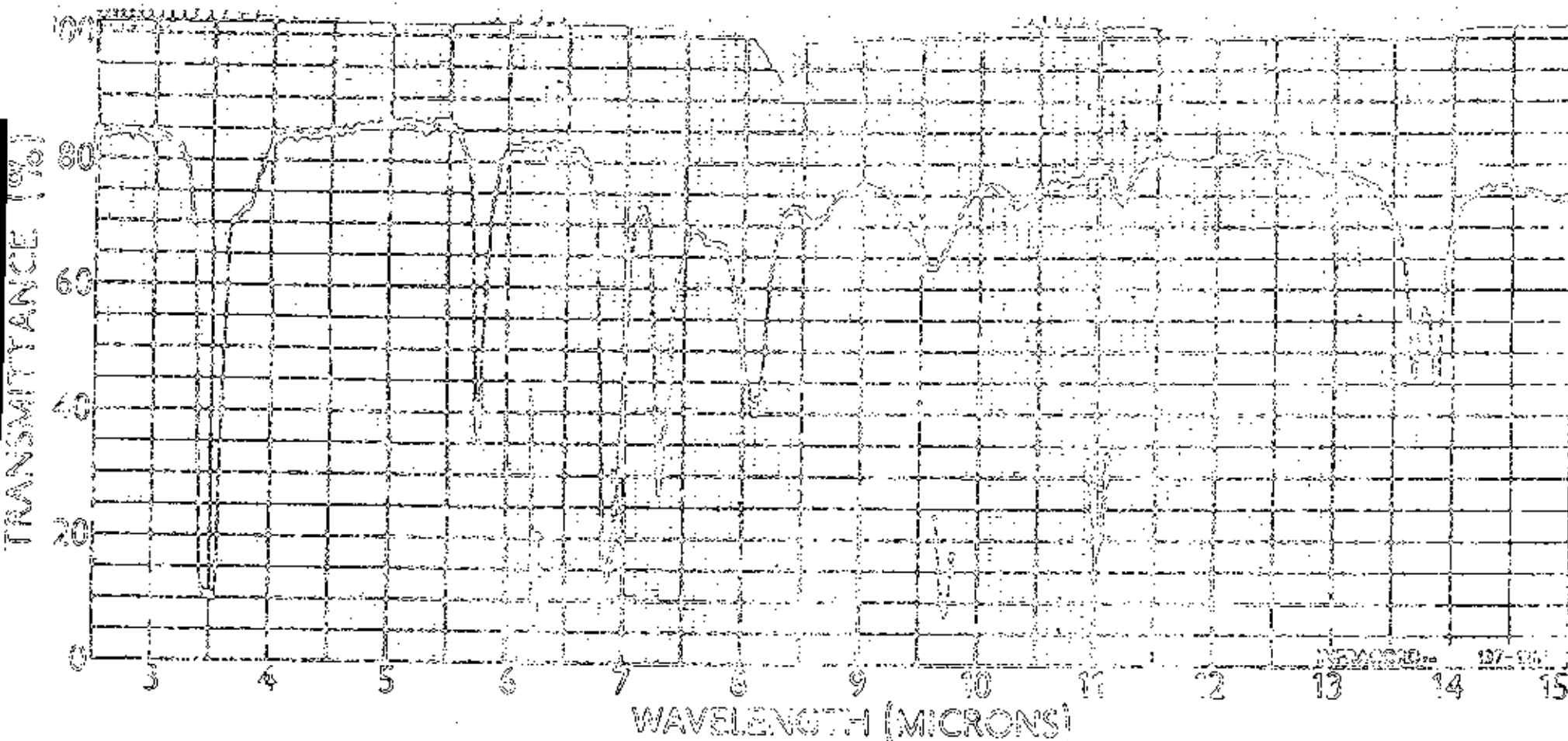
SPECTRUM NO.	ORIGIN	REAGENT	REMARKS
SAMPLE β -sitosterol			
acetate, m.p. 126-127°	PURITY		
	PHASE <i>Dry</i>	DATE 5-10-1964	
	THICKNESS	OPERATOR <i>Peterson</i>	18

Fig. 8. Infra-red spectrum of the saturated ester m.p. 79° - 80° from banana skin wax.



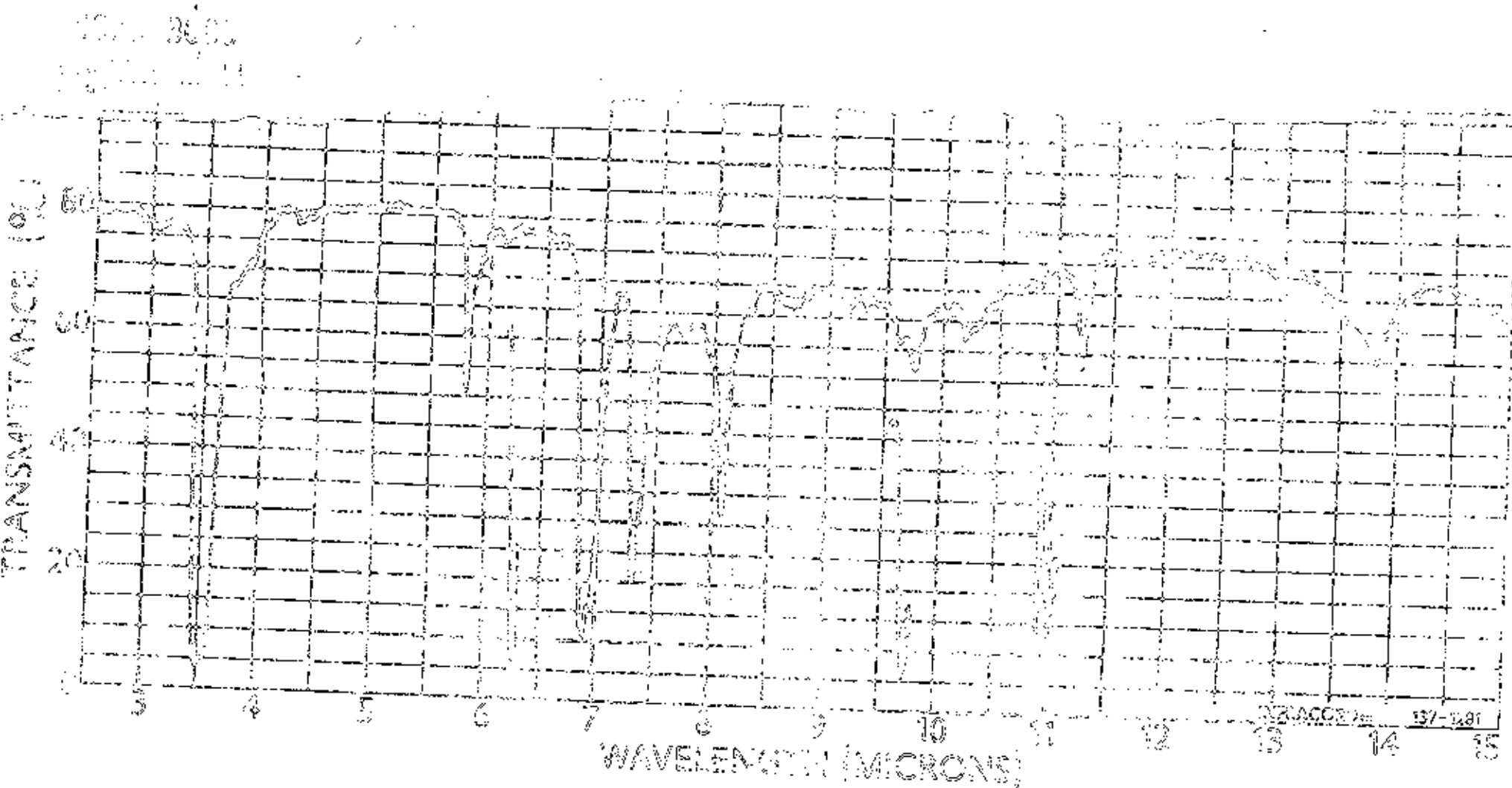
SPECTRUM NO.	ORIGIN	LEGEND	REMARKS
SAMPLE <i>Ban. Wax</i>			
<i>skin wax</i>	PURITY		
<i>Compound m.p. 79c</i>	PHASE <i>Nujol</i>	DATE <i>6-6-1964</i>	
	THICKNESS	OPERATOR <i>L. J.</i>	

Fig. 10. Infra-red spectrum of the acetate m.p. $60^{\circ} - 61^{\circ}$ derived from alcohol m.p. $79^{\circ} - 80^{\circ}$.



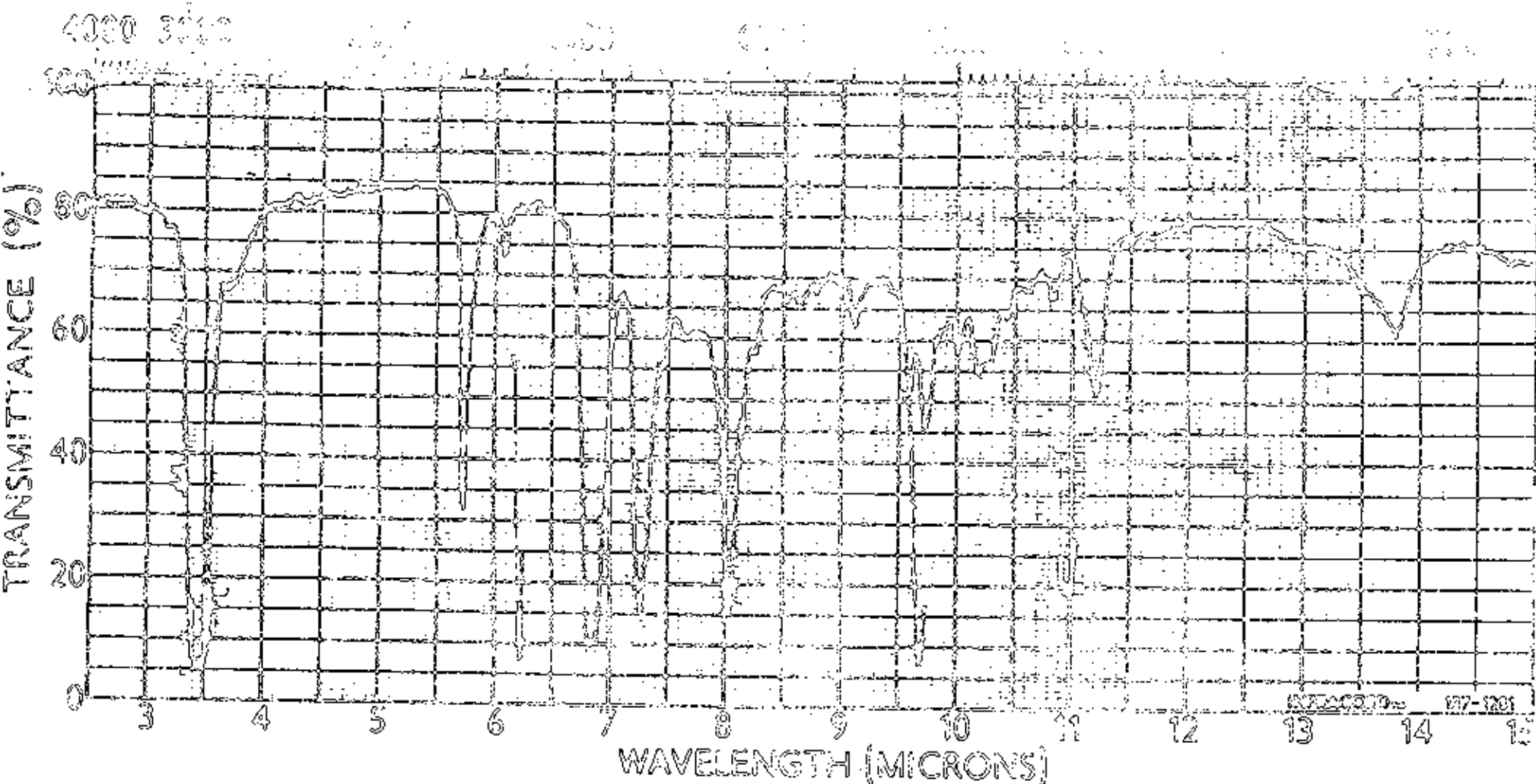
SPECTRUM NO. <i>X</i>	ORIGIN	LEGEND	REMARKS
SAMPLE Acetate. m.p. 60°		1	
61° derived from the	PURITY	2	
alcohol m.p. $79^{\circ} - 80^{\circ}$	PHASE <i>Nujol</i>	DATE <i>17-18-1943</i>	
	THICKNESS	OPERATOR <i>Polana</i>	<i>8</i>

Fig. 13. Infra-red spectrum of the acetate of the compound from banana skin wax, m.p. 115° - 116°.



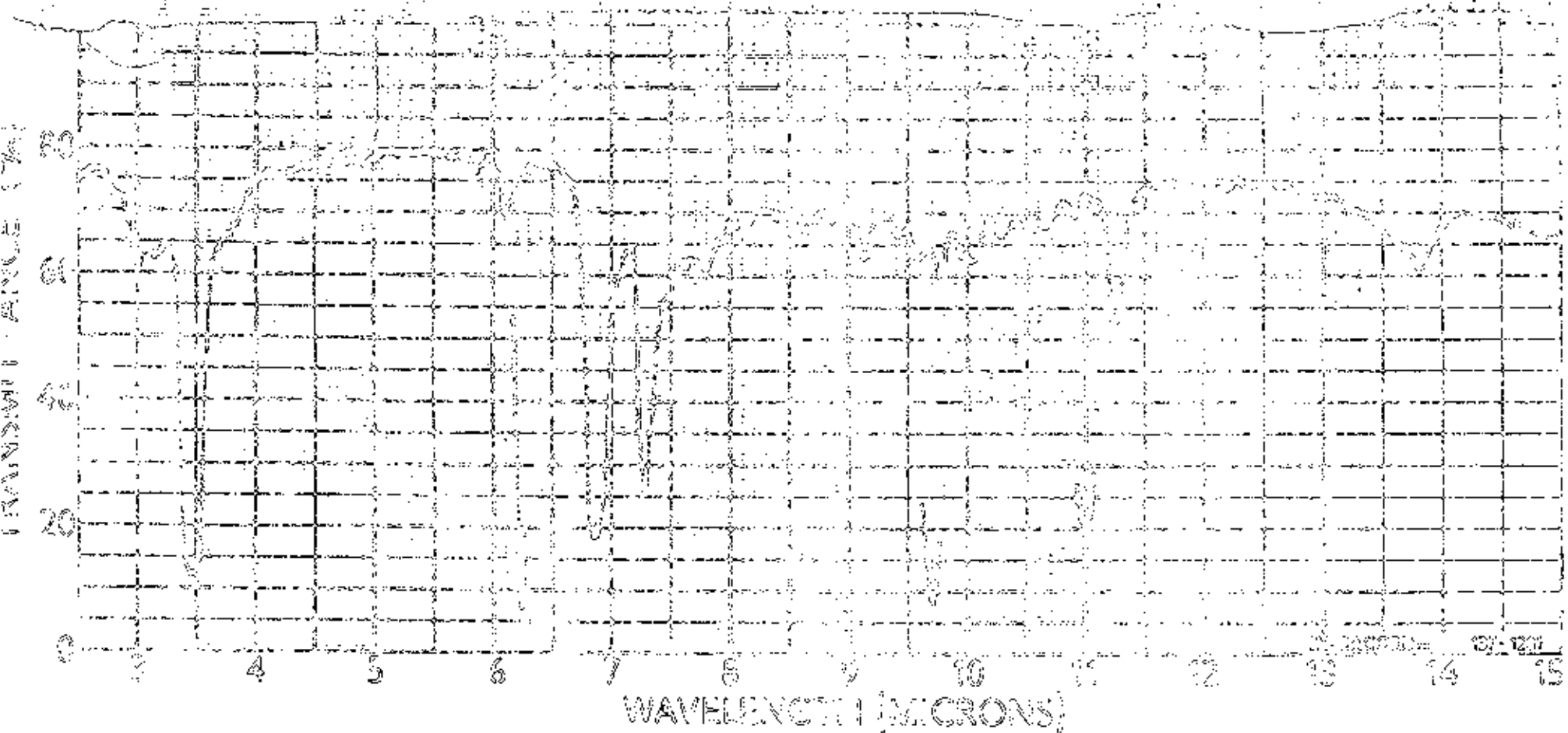
SPECTRUM NO.	ORIGIN	RECORD	REMARKS
137-1481	PURIFY		
Acetate from Thin Banana Skin Wax m.p. 115°	MADE	DATE 11-5-1935	
THICKNESS	OPERATOR		3

Fig. 14. Infra-red spectrum of 24-methylenecycloartanyl acetate m.p. 115° - 116°.



SPECTRUM NO. <u>XII</u>	ORIGIN	LEGEND	REMARKS
SAMPLE <u>24-methylenecycloartanyl acetate</u>		1.	
<u>m.p. 115°</u>	PURITY	2.	
	PHASE <u>Nujol</u>	DATE <u>5-10-1960</u>	
	THICKNESS	OPERATOR <u>Pafana</u>	

Fig. 15. Infra-red spectrum of 24-methylenecycloartanol m.p. 122° - 123°.



SPECIMEN NO. & ORIGIN	LEGEND	REMARKS
SAMPLE 24-methylene cycloartanol m.p. 122° - 123° from vacuum distn. water.	1. 2. DATE 7-12-1960 OPERATOR <i>Hubert</i>	
PURITY		
THICKNESS		3

SAMPLE NO. 1000