

Table 2. Quantitative area data from Infrared spectra measured by digitizer

Substance	% wt/vol	area [inch ²] band at 970 cm ⁻¹ a)
CSyM-70 (synth.)	6.0	0.35755
	7.0	0.41230
	8.0	0.46560
CGF-69 natural	10.0	0.33374

The value of area was plotted versus concentration (Fig. 4).

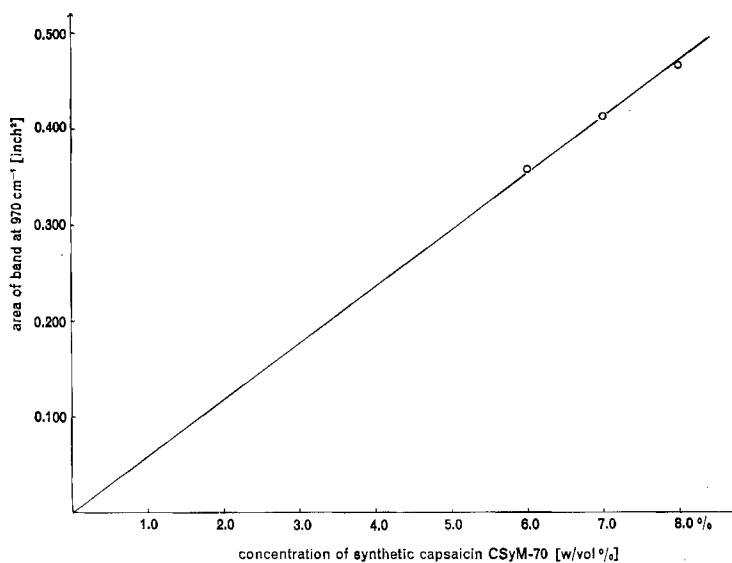


Fig. 4. Quantitative relationship between 970 cm⁻¹ band area and degree of synthetic capsaicin (CSyM-70)

A sample with isolated capsaicinoid mixture (CGF-69) in chloroform was run in the same way. From the area obtained it was possible to determine the *trans*-components in the mixture. The analysed mixture CGF-69 was found to consist of 54% *trans*-components.

REFERENCES

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Erratum

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