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Volatile Constituents from the Leaves of *Ayapana* (*Eupatorium triplinerve*, Vahl)

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Composition of essential oil from leaves of *Eupatorium triplinerve* has been identified by gas liquid chromatography. *Eupatorium triplinerve* is known as Ayapana in Hindi and belongs to natural order compositae. The plant is a native of America introduced in Indian gardens as an ornamental plant and used as stimulant and diaphoretic. It has also antiscorbutic and alternative properties (Wealth of India, 1962; Chopra *et. al.*, 1956). It was, therefore, through worthwhile to investigate the plant with a view to isolate, identify and estimate the volatile constituents of its leaves.

The plant *Eupatorium triplinerve* was supplied through M/S. United Chemical and Allied Products Calcutta. The essential oil from the leaves was extracted by steam distillation in Clevenger's apparatus. The leaves yielded 0.6% volatile oil, which was found to have following physico-chemical constants.

1. Sp. gravity at 35°C (By Pyknometer)	0.911
2. Optical rotation, (e) D	+4 to +8°
3. Phenol content	47.5
4. Ester value	37.0
5. Acid value	5.4
6. Refractive index at 14.5°C	1.5101
7. Ester value after acetylation	44.27

Experimental

The essential oil from the leaves were obtained by steam distillation for about 7 hours and separated from water. It was dried over anhydrous sodium sulphate.

G.L.C. of the Essential Oil: The G.L.C. of the oil was carried out on AMILMUCAN Gas chromotographic

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