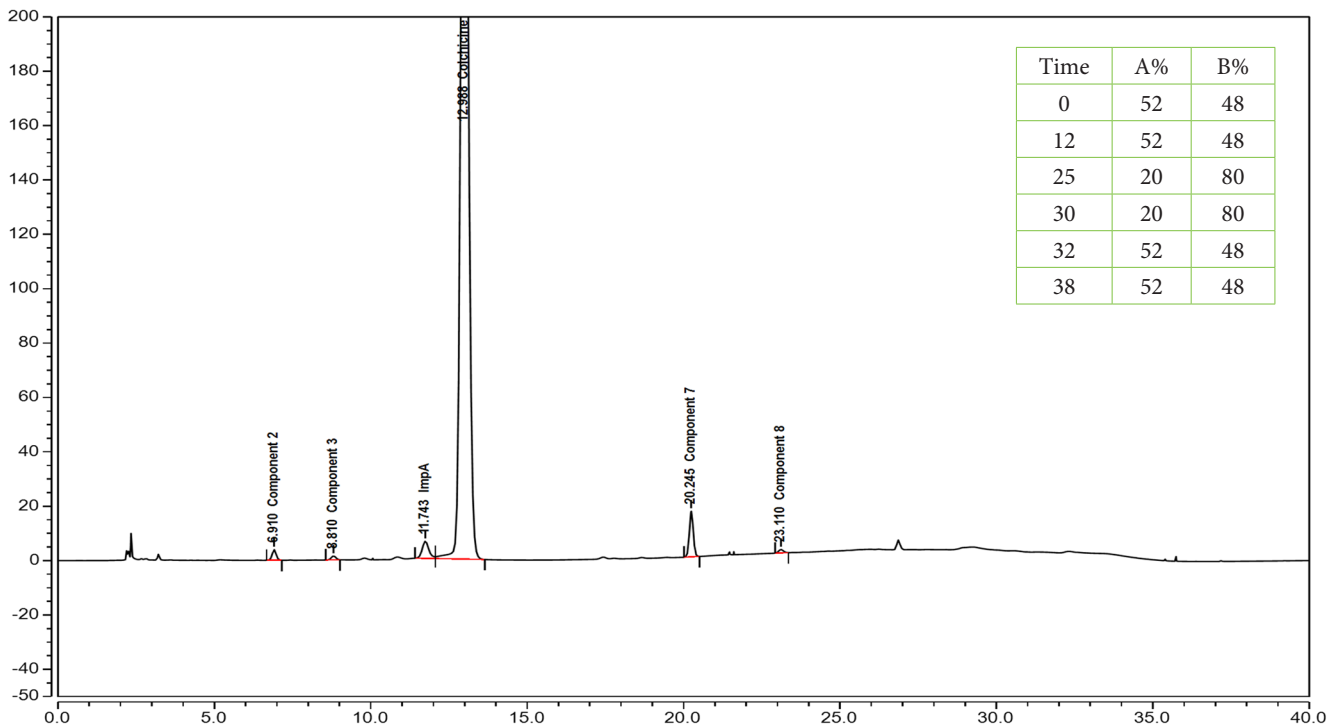




## Colchicine Tablet

### Sapphirus<sup>®</sup> C8 HP Classic 5µm 250X4.6



#### Test Condition (As Per The British Pharmacopoeia)

##### Column:

Sapphirus<sup>®</sup> C8 HP Classic 5µm 250X4.6

**Injection:** 20 µL

**Detection:** UV 254 nm

**Flow Rate:** 1.0 mL/min

**Mobile Phase:** Water and Methanol

**Diluent:** Prepare the solution of water and Methanol (1:1)

**Temperature:** Ambient

Autosampler temperature: 5°C

**Gradient:** See Table

##### Sample / Standard:

**Solution 1:** Extract a quantity of the powdered tablet containing 5 mg of Colchicine in 40 ml diluent. Sonicate and dilute to 50 ml with same solvent. Filter through 0.22 µm Nylon membrane syringe filter (VWR: 5141268)

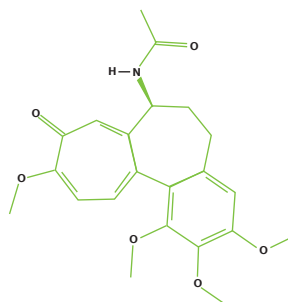
**Solution 2:** Diluent 1 ml of the Solution 1 to 100 ml with diluent.

**Solution 3:** Diluent 1 ml of Solution 2 to 10 ml with diluent.

#### Chromatographic data

No.	Compound	Retention Time (min)	Tailing Factor	RRT
1	Impurity A	11.743	1.04	0.90
2	Colchicine	12.988	1.10	1.00

Colchicine is an alkaloid drug derived from a plant belonging to the Lily family, known as *Colchicum autumnale*, or “autumn crocus.” Its use was first approved by the FDA in 1961. Colchicine is used in the treatment of gout flares and Familial Mediterranean fever, and prevention of major cardiovascular events. It has also been investigated in other inflammatory and fibrotic conditions.



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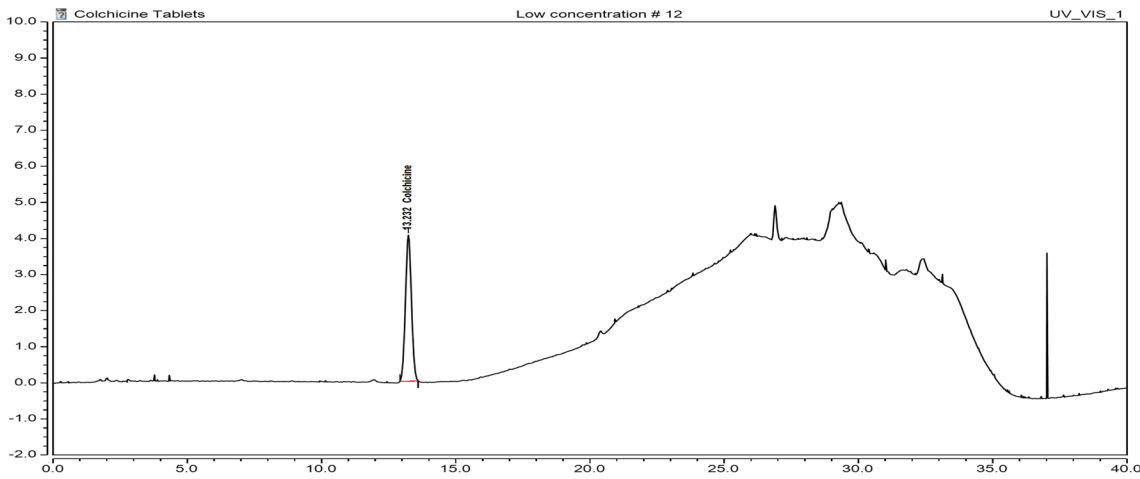
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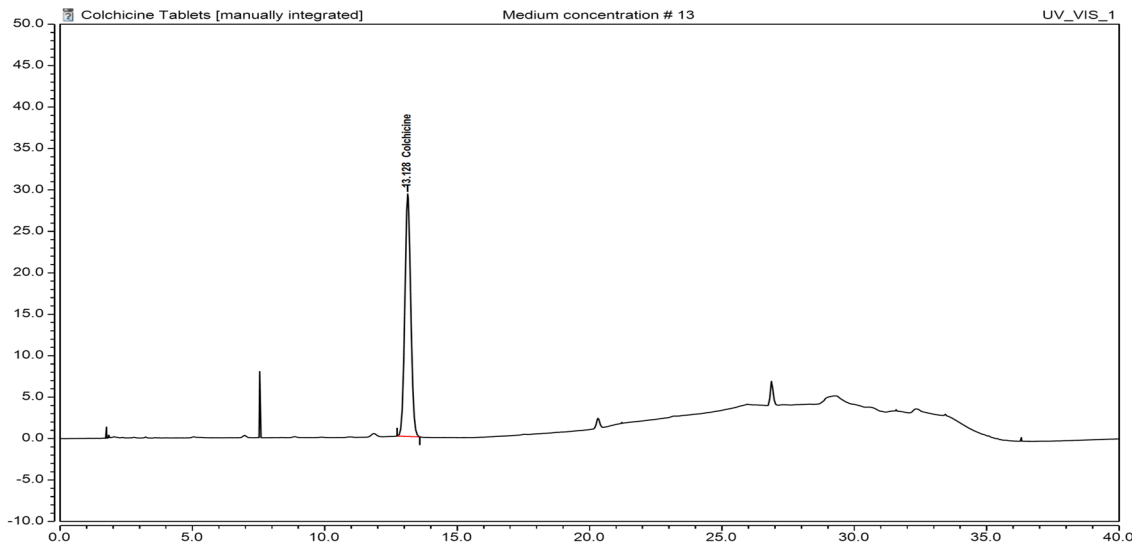
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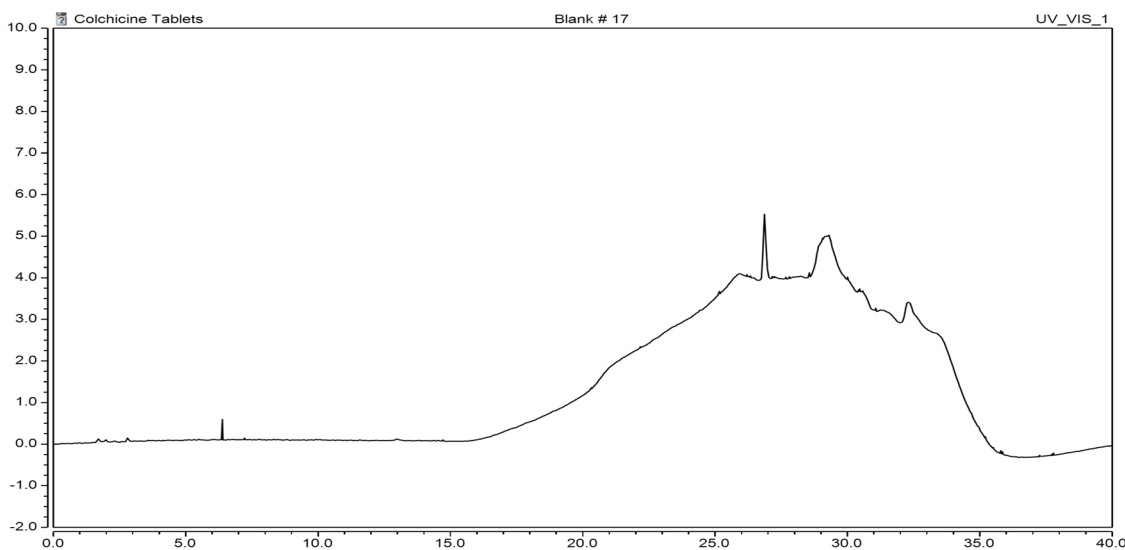
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