Drug consists of dried leaf and seed of *Datura stramonium* Linn. Fam. Solanaceae. A glabrous or farinose annual herb, 0.6-1.2 m high; distributed on hills throughout India up to an altitude of 2400 m and is common in North-West Himalayas.

*Chemical Constituents*

**Major**

**Leaf**

Hyoscyamine, atropine.

**Seed**

Hyoscyamine, atropine, hyoscine (scopolamine)’.
TLC/ HPTLC Details

TLC profile of test solution of *Datura stramonium* leaf after derivatization 1-3: Test solution; 4: Atropine standard.

TLC profile of test solution of *Datura stramonium* seed after derivatization.
1: Atropine standard; 2: Scopolamine standard; 3-5: Test solution.

HPTLC densitometric scan at 254 nm of *Datura stramonium* leaf.
A. Atropine standard; B-D. Test solution.

HPTLC densitometric scan at 254 nm of *Datura stramonium* seed.
A. Scopolamine standard; B. Atropine standard; C-E. Test solution.