

Vitamin Contents the Fruits of *Rosa davurica* Pall.

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Rosa daviurica Pall. is a deciduous shrub belonging to Rosaceac family, mainly distributed in East-Asian countries. The plant and in particular the fruits, the roots and flowere are reported not only to be edible but also to be useful in the treatments of stomachache and mentrual disorders etc, in traditional medicines.

In the present study, as a part of an examination of their applicabilities for a new health food products as well as medical supplies, we determied and compared vitamin A and C contents in different types of the fruits and seeds of this plant.

HPLC analysis of the fruits showed that circular(L) type fruits contained the highest ascorbic acid(AA) concentration(911mg/100g) which were estimated to be approximately 10-30 times higher than that in the lemon fruits Elliptical and circular(S) type fruits contained a little less amount of AA. their concontration being 358 and 344 mg/100g, respectively.

Spectrophotometric analysis of total β -carotene contents in the fruits showed a similar amount in elliptical(286mg/100g) and circular(L) (208mg/100g) type fruits, but a far less amount was shown in the circular(S) type fruits(24mg/100g).