

# OP10. DETERMINATION OF VITAMIN CONTENT AND MEDICINAL PROPERTIES OF BLACK RAISIN GRAPES

A.Q. AZIMOVA<sup>1</sup>, D. D JALMURODOVA<sup>2</sup>, A.Kh. ISLOMOV<sup>2\*</sup>,  
B.N. BABAEV<sup>1</sup>, S.A. MAULYANOV<sup>1</sup>

<sup>1</sup>Mirzo Ulugbek National University of Uzbekistan

<sup>2</sup>Institute of Bioorganic Chemistry named after academician O.S. Sadikov of the Russian Academy of Sciences

\*Corresponding Author. E-mail: [islomov-72@mail.ru](mailto:islomov-72@mail.ru)

In this thesis, the amount of vitamins contained in grape molasses is determined and information about its medicinal properties is given.

Currently, molasses made from grapes without various chemical additives is very rich in carbohydrates. The content of grape juice is more than 60% carbohydrate, 20-25% water. Grape molasses gives energy, stimulates appetite; increases blood, is of great benefit in pregnancy. Depending on the type of grapes, all vitamins of group B, vitamins E, A, RR, K, C and D are also sufficiently preserved. In addition, grapes also contain micro and macro elements such as iron, copper, potassium, calcium, magnesium, zinc, boron, vanadium, aluminum molybdenum, selenium, titanium, cobalt, radium, chlorine, silicon and sulfur. Grapes contain water, glucose, pectin, protein, carbohydrates, saturated and unsaturated fatty acids, essential oil, and dyes [1-3].

Grape molasses has a dark reddish color. When the chemical composition of grape molasses contains water-soluble vitamins, it is determined by high-performance liquid chromatography that  $V_2=0.194487$  mg.,  $V_6=0.194487$  mg.,  $V_9=3.666393$  mg., (RR)  $V_3=0.063445$  mg. was found to exist.

Molasses is rich in vitamins, it is a medicine that gives energy, increases appetite, increases blood and is used in anemia diseases. The amount of water-soluble vitamins in molasses was determined.

**Keywords:** Vitamin; grape; molasse

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