



GALEN-N Ltd

EXTRACTS FROM BULGARIA

Rosa Damascena dry extract (Rosa Damascena Mill)

Galen-N Ltd, manufactures highest quality extracts following strictest Quality Management System in compliance with the “Good Manufacturing Practices” (GMP) requirements, carrying on the last manufacturing steps in classified areas (Clean Rooms). Galen-N Ltd assures the traceability with rigorous analysis form raw material to finished product

GENERAL INFORMATION



The oil rose was brought to Bulgaria more than three centuries ago. It is not only an object of admiration, raw material for the production of Bulgarian rose oil but it is also used as food and medicine. Reports of medical application are known from Ancient Egypt, Ellada, yet in ancient Rome the rose has the glory of sobering means after alcohol abuse.

Horace recommends putting a pink color in the wine. It was believed that the aroma of roses suppressed the wine's vapors and prevented from drinking.

Avicenna heals the headache with rose oil, believes that the rose is good for the liver and uses it for the treatment of the liver diseases. It applies it to fluid in the abdomen, i. E. in ascites, prescribes pills containing pink leaves.

Rose preparations originally applied in cosmetics, obstetrics and gynecology as advances in pharmaco-therapeutic theory and practice and on the basis of ophthalmic medicine find an ever wider application.

For the healing effect of rose oil, there are many studies and proven therapeutic effects in the treatment of bronchial asthma, pulmonary abscesses, pulmonary tuberculosis, for the treatment of gallstones, lowering the level of low and very low total cholesterol,

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triglycerides and lipoproteins. the level of high density lipoprotein, which is thought to protect against atherosclerosis.

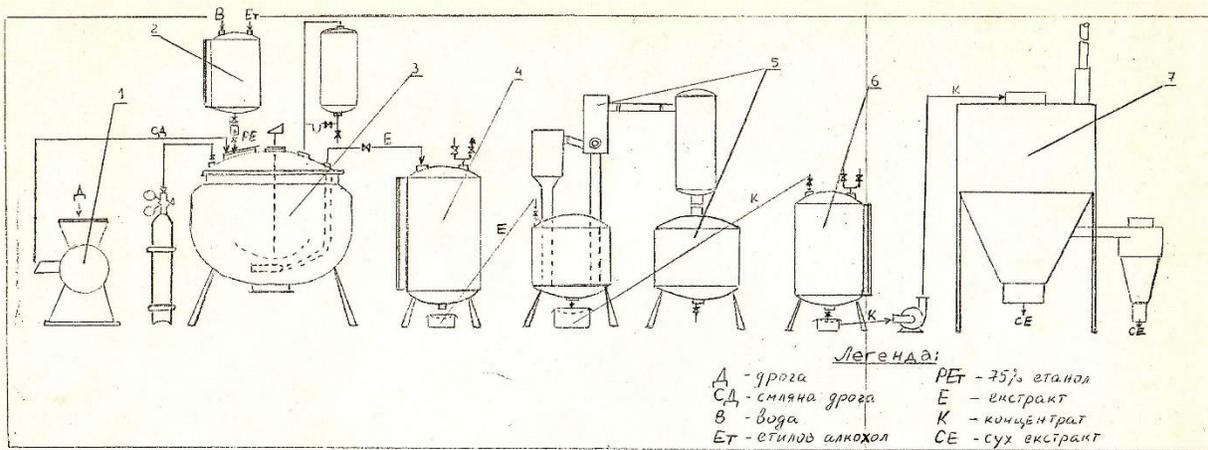
Besides pink oil and rose leaves (pink flowers), they have been used since ancient times and by folk medicine, as a gallop and a laxative. They also have a hypotonic, spasmolytic and relaxing effect and are used to treat abdominal and back pain.

AVAILABLE DOCUMENTS

Documentation to support your regulatory process (CoA, MSDS, Specification, ASMF including stability report) is available upon request.

MANUFACTURING PROCESS

The powdered Rosa Damascena Dry Extract is manufactured from fresh rose blossom (flowers). The manufacturing process contains water-ethanol extraction, concentration under vacuum and Spray drying (Anhydro dryer).



USES

The powdered Rosa damascena dry extract, thanks to its flavonoid glycosides of quercetin and kempferol type, catechin, tannin, anthocyanins, mircene, Vit. C have also antioxidant, antitussive, bronchodilactant, antidiabetic action. A positive effect on dementia has been found in Alzheimer, having a gerantological effect (similar to Ginkgo biloba preparations). An anti-HIV effect (in vitro) was also detected.

Extracts of fresh and used pink color suppress lipid peroxidation, have an anti-rheumatic effect.

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ROSA DAMASCENA DRY EXTRACT SPECIFICATION

The internal firm specification is as follow:

No	Properties	Characteristics and norms
1.	Appearance	Amorphous powder
2.	Color	Pale Brown to Reddish
3.	Odor	Specific
4.	Taste	Bitter
5.	Sulfated ash, % w/w, not more than	4
6.	Solubility - in water 100°C - in water 15°C	Easy Soluble Soluble
7.	Water content, not more than %	5
8.	Total content of phenolic compounds (determined spectrophotometrically by the Singelton and Rossi method) , mg/g	≥ 170
9.	Total flavonoid content determined by colorimetric method of Zhinshen, 1999, mg/g	≥ 150

The content of phenolic compounds, flavonoid and monomeric anthocyanins are determined using standard spectrophotometric methods.

The total content of phenolic compounds found is not less than 170 mg / gram. The total flavonoid content is not less than 150 mg / gram.

BIBLIOGRAPHY AND OTHER REFERENCE SOURCES

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