A Bibloigraphy of
Juniperis Communis Linne
(Fruit and Volatile Oil)

A Thesis submitted for the degree of

GRADUATE IN PHARMACY

by

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1924

Schnellenberg, -. 1546

Oleum Juniperi

Artzneybuch, p. 35.
Pharmacographia, p. 565.

The oil was distilled by Schnellenberg as early as 1546.

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Valmont de Bomare, -. -. 1775

Fructus Juniperi

Dict. d'Hist. Nat., p. 45

Juniper berries were employed as a spice, food, and a spirit of which wormwood was an ingredient was obtained by fermentation and distillation.

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Watkinson, D. and W. 1804

Advertisement, Juniper Berries

The Conn. Courant, Wed., Jan. 18, 1804, v. 40, No. 2032, p.4, col. 5.

52 Barrels and 26 Bags are just received on consignment from New York and for sale by
D. & W. Watkinson
Hartford, Dec. 28, 1803

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Coxe, J. R. 1806

Juniperus et Oleum Juniperi

Am. Dispens., 1st. ed., p. 401
Ibid., 4th ed., pp. 310 and 395
Ibid., 2d ed. p. 368

Gives the official Latin title, official English title, synonym, Botanical name, definition, habitat, description, medicinal use, and preparations of Juniperus.

Thacher, G. 1810

Juniperus Communis

Am. New Dispens., 2d ed., p. 245

Gives official Latin title, official English title, parts used, description, constituents and use of Juniperis.

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Woodvilles, W. 1810

Juniperus et Oleum Juniperi

Medical Botany, 2 ed., V. 1, p. 13
U. S. Dispens., 2 ed., p. 388; U. S. Dispens., 3 ed., p. 379; U. S. Dispens., 4 ed., p. 390; U. S. Dispens., 5 ed., p. 412; U. S. Dispens., 10 ed., p. 428; U. S. Dispens., 12 ed., p. 493; U. S. Dispens., 13 ed., p.507; U. S. Dispens., 14 ed., p. 527; Nat. Dispens., 3 ed., p. 850

Gives official Latin title, official English title, description, medicinal use, preparation, and a colored illustration of Juniper.

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Henry, S. 1814

Juniperus Communis

Amer. Medical Family Herbal, p. 172

Gives official Latin title, official English title, description, history, medical virtues, and preparations of Juniper.

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Bigelow, J. 1822

Juniperus

Materia Medica, p. 238

Gives description, properties, medicinal uses, and dose of Juniper.

Bigelow, J. 1822

Oleum Juniperi

Materia Medica, p. 268

Gives official Latin title, official English title, description, medicinal use, and dosage of oil of juniper.

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Barton, W. P. C. 1827

Juniperus Communis

Outlines of Lectures on Mat. Med. & Bot., V. 2, p. 195

Gives the description and uses of Juniper.

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Nicolet, A. C.--Henery, N. J. 1831

Juniper Berries

Am. Jour. Pharm., V. 3, p. 239

Gives physiological and chemical observations on the berries of Juniper.

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Nester, A. 1834

Juniper Berries

Jour. d. chim. Med., V -, p. -. Am. Jour. Pharm., V. 6, p. 351.

Gives a discussion on the reason why the nearly ripe fruits or unripe fruits yield more essential oil than do the ripe fruits of Juniper.

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Wood, G. B., and Bache, F. 1834

Juniperus et Oleum Juniperi

U. S. Dispens., 2 ed., p. 388; ibid. 3 ed., pp. 379 and 920; ibid., 4 ed., pp 390 and 979; ibid., 5 ed., pp 412 and 1052; ibid., 10 ed., pp. 428 and 1102; ibid., 12 ed., pp 493 and 1253; ibid., 13 ed., pp. 507 and 1308; ibid., 14 ed., pp. 527 and 1350.

The official Latin title, official English title, synonym, definition, description, habitat, properties, medical properties, and official preparations of Juniper berries and oil are discussed.

Sahn-Horstman, P. 1848

Juniperus Communis

Am. Jour. of Pharm., 20, p. 159

Gives the ash content and chemical analysis of the ash contents of Juniperus Communis.

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Zeller, -. 1855

Oleum Juniperi

Neues Jahrbuch f. Pharm., 3, p. 1; Chem. Centil Blatt. 27, p. 207; U. S. Dispens., 12 ed., p. 1253; U. S. Dispens., 13 ed., ---; U. S. Dispens., 14 ed., p. 1350; U. S. Dispens., 15 ed., p. 1013.

Gives a comparison of the yields of oil from fresh Juniper berries and berries which are one yeardold.

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Stur, F. 1856

Juniperus

Chem. Centil Blatt, --, p. 95; U. S. Dispens., 12 ed., p. 2193; U. S. Dispens., 13 ed., p. 507; U. S. Dispens., 14 ed., p. 527.

Found on analysis that the sugar in Juniper berries is glucose.

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Keller, F. G. 1858

Oil of Juniper a Vehicle for Iodine

Zeitsch. d. Weiner Aertze., 1858, p. --; Wittstein's V. Jahr Schr., 8, p. 462; Am. Jour. Pharm., 3, p. 566; Proc. Am. Pharm. Assn., v. 9, p. 97.

Dr. Keller proposes this form of solution as having certain advantages.

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(Editor) 1859

Juniperus Communis

Drug. Circ., 3, p. 82.

Gives Habitat and medicinal properties of Juniper.

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Schubeler, F. C. 1862

Fructus Juniperi

Culturpflazen Norwegeni Cristiania, p. 55; Pharmacographia, p. 55.

Juniperus Communis in the interior of Norway and Sweden becomes a small forest tree of thirty to thirty-six feet, often attaining an age of hundreds of years.

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King, J. 1864

Juniperus et Oleum Juniperi

Am. Dispens., 6 ed., pp. 531 and 1205; ibid., 10 ed., pp. 462 and 1097.

Gives official Latin title, official English title, botanical name, description, history, properties, uses, and official preparations of Juniperus and Oleum Juniperi.

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Simpson, J. 1868

Oleum Juniperi

Boston Med. and Surgical Jour., v. 68, p. 96; U. S. Dispens., 13 ed., p. 1308; U. S. Dispens., 14 ed., p. 1350; U. S. Dispens., 15 ed., p. 1013.

Considers it an efficient diuretic when administered through the lungs. The patient is to volatilize the oil and inhale the vapors.

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(Committee) 1871

Juniper Berries

Proc. Am. Pharm. Assoc., v. 20, p. 121

Tells of decrease in price and stock of Juniper berries.

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(Committee) 1872

Juniper Berries

Proc. Am. Pharm. Assoc., v. 21, p. 435

Gives the stock and market quotations of Juniper berries.

(Editor) 1873

Juniper Berries

Am. Jour. Pharm., 45, p. 447

Comments on the analysis of Juniper berries by Donath.

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Donath, E. 1873

Juniper Berries

Polyt. Journ., 208, p. 300; Chem. Centralblatt, v. -, p, -; Am. Jour. Pharm., 45, p. 447.

Gives an analysis of Juniper berries.

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(Committee) 1874

Juniper Berries

Proc. Am. Pharm. Assoc., 22, p. 163

Gives an analysis of Juniper Berries.

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Fluckiger, F. A., and Hanbury, D. 1874

Fructus Juniperi

Pharmacographia, p. 565

Gives botanical origin, history, description, chemical composition, commercial significance, and uses of Juniper fruits.

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(Committee) 1875

Pie of Juniper Berries

Proc. Am. Pharm. Assoc., 23, p. 505.

Tells of the adulteration of oil of Juniper with alcohol.

Boeck, C. 1876

Juniper Fumigations in the Treatment of Skin Diseases

New Remedies, 5, p. 215

Points out that the smoke of Juniper needles acts as a cure for certain skin diseases.

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Boeck, C. 1876

Treatment of Pruritis by the Smoke of Juniper Needles

New Remedies, 5, p. 300

Gives a method for treating pruritis with a smoke bath of Juniper needles.

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(Editor) 1876

Iodized Oil of Juniper

Drug. Circ., 20, p. 79

Gives the method of preparation and reactions of the iodized Juniper oil.

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Ritthausen, H. 1877

Juniperus

Landwerthsch. Versuchsstat., 20, p. 44; Jahresbericht der Pharmacie, 1877, p. 62; Am. Dispens. (King), 18 ed., 2, p. 1091.

Gives an analysis of the fruit of Juniperus Communis.

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(Editor) 1878

Commercial Notes--Juniper Berries

New Remedies, 7, p. 332.

The stock of Carpathian berries being exhausted, the market had to be supplied with Italian berries.

Moore, G. B. 1878

On Compound Spirits of Juniper

Drug. Circ., 22, p. 117

Gives methods for making compound spirits of Juniper.

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Bentley, R., and Trimen, H. 1879

Juniperis Communis

Med. Plants, p. 255; National Dispens., -- ed., p. 796; Am. Dispens., 18 ed., 2, p. 1091.

Gives description, habitat, official part and name, medicinal properties, and uses of Juniperus Communis, with a colored illustration.

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Schilbach, L. 1879

Commercial Extract of Juniper Berries

Pharm. Ztg., 24, p. 482; Am. Jour. Pharm., 21, p. 489; Proc. Am. Pharm. Assoc., 28, p. 52.

Commercial extract of Juniper berries having a salty, disagreeable taste, produces nausea and vomiting. No metallic impurities were found, so he attributes the symptoms to organic adulteration.

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Stille, A., and Maisch, J. 1879

Juniperus et Oleum Juniperi

Natl. Disp., 2 ed., p. 796; ibid., 3 ed., pp. 850 and 1062; ibid., 5 ed., p. 906.

The official Latin title; official English title, synonym, origin, constituents, use of by-products, medical action, and uses of the Juniper are given.

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Dudley, W. L. 1881

Chemical Examination of Volatile Oils

Drug. Circ., 25, p. 114

Gives chemical analysis, properties, and adulteration of oil of Juniper.

(Editor) 1882

Compound Spirit of Juniper

New Remedies, 11, p. 146

Gives a formula for preparing Compound Oil of Juniper.

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(Editor) 1884

Juniperus Communis

Am. Jour. Pharm., 56, p. 618.

Gives the use of the bark of Juniper by the Cree Indians.

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Johnson, L. 1884

Juniperus Communis

Medical Bot. of N. Am., p. 261

Gives official Latin title, synonym, description, and habitat of Juniper.

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Bartholow, R. 1885

Juniperus

Mat. Med. and Therap., 5 ed., p. 671.

Gives the preparation, composition, action, and usas of Juniper, Infusion of Juniper, Oleum Juniperi, Spirits of Juniper, and Compound Spirit of Juniper.

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(Committee) 1885

Juniperus Communis

Proc. Am. Pharm. Assoc., 33, p. 101

Gives Indian name (Wakinakin), and uses of Juniper by the Hudson Bay Indians.

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Wood, H. C., Remington, J. P., and Sadtler, S. P. 1886

Oleum Juniperi

U. S. Dispens., 15 ed., p. 1013; ibid., 17 ed., p. 1665; ibid., 19 ed., p. 849

Gives official Latin title, official English title, definition, description, habitat, constituents, medicinal uses, dose and official preparations of Oleum Juniperi.

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(Editor) 1887

Juniperus et Oleum Juniperi

Epitome of Organic Materia Medica--Pharm. Record, 7, p. 391.

Gives definition, description of plant and berries, habitat and constituents of Juniper berries and Oil of Juniper.

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Dubille, G. H. 1887

Superior Flavoring Extract; Extract of Juniper Berries

Drug. Circ., 31, p. 32.

Gives the preparation of a Flavoring Extract of Juniper Berries.

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(Editor) 1889

Juniper Pomade

Eclec. Med. Jour., 49, p. 547

Gives the preparation and uses of Juniper Pomade, in which Oil of Juniper is used as the active medicament.

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(Editor) 1890

Semi-annual Report on Commercial Drugs and Chemicals.

Am. Drugg., 14, p. 109.

The crop of Carpathian berries was a total failure, and

recourse had to be had to Italian berries, which are not sufficient in quantity to supply the demand. Hence both the berries and oil experienced a considerable advance in price.

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(Editor) 1890

Notes on Essential Oil

Am. Drugg., 19, p. 108.

The peculiar odor of this oil is due to a fraction boiling 180° C. It probably is acetic ether allied to terpenes in the oil. Higher boiling portions are sesqui-terpenes.

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O'Connor, J. T. 1890

Juniperus Communis

Homeopathic Pharmacopoeia, 4 ed., p. 265.

Gives official Latin title, official English title, habitat, description and preparations of Juniperus Communis.

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(Editor) 1891

What is Spirits of Juniper?

Drugg. Circ., 34., p. 278.

A discussion of the argument between physician and pharmacist--is gin Spirit of Juniper?

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(Editor) 1891

Comments on Action of Juniper Pomade

Eclec. Med. Jour., 51, p. 194.

Juniper pomade is a cure for Eczema in all of its forms. It allays itching, destroys the vesicles and scales. It is used to arrest hay fever, to heal nasal ulcers, to arrest ringing in the ears, for tetters on the eyelids, and for treatment of sore nipples of nursing women.

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Fluckiger, F. A. 1891

Fructus Juniperi, Baccae Juniperi

Pharmacognosie d. Pflanzemeicher., p. 894; Am. Dispens. (King), 18 ed., p. 1091.

Gives parts used, structure, constituent parts, and history of Juniperus Communis.

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Gish, A. S. 1891

Juniper Pomade

Eclec. Med. Jour., 51, p. 28

Explains the practical use of Juniper Pomade and how he became acquainted with it, and states that he would not practice without it in his office.

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(Editor) 1894

Compound Spirit of Juniper for Gin

Drugg. Circ., 38, p. 205

States that Spirit of Juniper may be substituted for gin as the National Formulary gives it as an official substitution for gin.

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Schimmel & Co. 1897

Oleum Juniperi

Semi-annual Report, April, p. --; Am. Dispens., King, 18 ed., 2, p. 1361

The crop of 1896 was of excellent appearance, but poor in oil, and unusually rich in juice. States that a small amount is left for sale.

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Felter, H. W., and Lloyd, J. U. 1898

Juniperus

Am. Dispens., King, 18 ed., 2, p. 1092

Gives official Latin title, English title, botanical source and history, action, and medicinal uses, and other properties of Juniperus.

Parry, S. J. 1899

Juniper Wood Oil

Chem. and Drugg., 54, p. 690; Proc. Am. Pharm. Assoc., 47, p. 661; Drugg. Circ., 43, p. 132.

Examination and character of commercial samples of oil of Juniper wood.

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(Editor) 1900

Juniperus Communis

Am. Jour. Pharm., 72, p. 340.

Gives the percentage of moisture, ash, and tannin in the bark and leaves of Juniperis Communis.

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Lloyd, J. U., and Felter, H. W. 1900

Juniperus et Oleum Juniperi

Am. Dispens., 18 ed., 2, p. 1091.

Gives official Latin title, official English title, botanical name, definition, common nme, description, chemical composition, preparation, action, medicinal uses, dosage, and official preparation of Juniper and Oil of Juniper.

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Gildemeister, E., and Hoffmann, F. 1900

Oleum Juniperi

Die Aetherischen Oele, p. 350; Am. Dispens., 18 ed., 2, p. 1361.

Gives description, physical properties, constituents, history, and adulterations of Juniper berries and Oil of Juniper.

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Nestler, A. 1900

Cause of the Color of Juniper Berries

Drugg. Circ., 44, p. 219.

States that the color is due to a fungus growth. This fungus is produced after the first year's development.

Schimmel & Co. 1904

Russian Oil of Juniper

Semi-annual Report, Oct., p. 50; Proc. Am. Pharm. Assoc., 53, p. 763.

Gives distinction between Russian and Italian and Hungarian Oil of Juniper.

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Brandel, I. W. 1905

Oleum Juniperi

Pharm. Rev., 23, p. 340; Digest of Com. U. S. P., 1905, p. 220; Proc. Am. Pharm. Assoc., 53, p. 763

Gives difference in optical rotation of Russian oil and Juniper oil.

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Delphin, A. T. 1905

Oleum Juniperi

Svensk. Farm. Tidskr., 9, p. 81; Digest of com. U. S. P., 1905, p. 220

Discusses testing of the oils of Juniper as to purity.

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Stroeker, A. 1905

Oleum Juniperi

Pharm. Post, 38, p. 236; Pharm. Zintralb., 46, p. 823; Digest of Com. U. S. P., 1905, p. 220

Gives properties and preservation of Hungarian Oil of Juniper.

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Umney, J. C., and Bennet, C. T. 1905

Oleum Juniperi

Pharm. Jour., 74, p. 146; Digest of Com. U. S. P., 1905, p.220.

Gives solubility test of Oil of Juniper as indicative of strength.

Evans Sons, Lescher & Webb 1906

Oleum Juniperi

Dig. of Com. U. S. P., 1906, p. 394; Analyt. Note, 1906, E. L. & W. 1907, p. 22.

Report that a sample of oil was above the British Pharmacopoeia IV limit. Also give specific gravity and optical rotation of samples of foreign Juniper Oil.

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Francis, J. M. 1906

Oleum Juniperi

Bull. Pharm., 20, p. 141; Digest of Com. U. S. P., 1906, p. 393

Thinks that much of the Juniper oil of the United States will not meet Pharmacopoeical requirement. The tests do not protect the purchaser, who must rely upon the probity of the dealer.

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Fyfe, J. W. 1906

Juniperi, N. F.

Eclec. Med. Jour., 66, P. 320; Digest of Com. U. S. P., 1906, p. 290.

Gives the medical action of Juniper as a stimulant to the general system, but more especially on the kidneys, increasing the secretion of those organs.

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Hanson, R. E., and Babcock, E. N. 1906

Oleum Juniperi

Jour. Am. Chem. Soc., 28, p. 1201; Digest of Com. U. S. P., 1906, p. 394.

Report of observations on the oil of leaves and trigs of Juniperus Communis, giving percentage yield, specific gravity, color, and odor.

Hinkel, Alice 1906

Oleum Juniperi

Bull. Bur. Plant Ind., U. S. Dept. Agr., No. 89, p. 40; Digest of Com. U. S. P., 1906, p. 393.

Mentions Juniperis Communis L. as common on dry sterile hills from Canade to New Jersey and west to Nebraska, and in the Rocky Mountains to New Mexico.

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Kufart, B. 1906

Oleum Juniperi

Bot. Jahrd. Engler, 37, p. 45; Digest of Com. U. S. P., 1906, p. 393.

Discusses the morphology of female flower of Juniperus Communis L. and points out relations existing between the various species of coniferal.

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Rodie, J. 1906

Oleum Juniperi

Rev. Gen. Chim., 9, p. 444; Chem. Report, Cothen, 31, p. 324; Digest of Com. U. S. P., 1907, p. 340

Discusses and classifies various varieties of Juniper oils.

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Schimmel & Co. 1906

Oleum Juniperi

Semi-ann. Rep., Apr.-May, p. 74; Digest of Com. U. S. P., 1906, p. 394

Point out specific gravity of oil of Juniper as 0.854 as the more suitable, and says that the solubility diminishes rapidly even when kept in a rational manner.

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Smith, Kline & French Co. 1906

Oleum Juniperi

Lab. Rep., S. K. & F., 1906, p. 43; Digest of Comm. U. S. P., 1906, p. 394.

Reports on fourteen samples of Oil of Juniper as to specific gravity, optical rotation, and solubility.

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Umney, J. C., and Bennet, C. F. 1906

Oleum Juniperi

Pharm. Jour., 25, p. 131; Digest of Com. U. S. P., 1907, p. 340.

Discuss what is Oil of Juniper, and outline tests for oils of good quality.

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Bird, F. C. J. 1907

Oleum Juniperi

Pharm. Jour., 25, p. 130; Digest of Com. U. S. P., 1907, p. 339

Reports observations on Oil of Juniper, and tells of the indefinite requirements of the British Pharmacopoeia.

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Brewis, E. T. 1907

Oleum Juniperi

Pharm. Jour., 25, p. 149.

Asserts that foreign Oil of Juniper is a by-produce, and some foreign iols have low specific gravities.

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(Committee) 1907

Oil of Juniper

Proc. Am. Pharm. Assoc., 55, p. 878.

Tells of the distillation of Oil of Junkper from the needles of Juniperus Communis, the berries being excluded.

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(Editor) 1907

Oleum Juniperi

Pharm. Jour., 25, p. 65; Digest of Com. U. S. P., 1907, p. 339.

Discusses "What is Oil of Juniper?" and points out that the British Pharmacopoeia is a most inadequate guide for purity and examination of this oil.

Evans Sons, Lescher & Webb 1907

Oleum Juniperi

Analytical Notes, 1907-08, p. 27; Digest of Com. U. S. P., 1907, p. 340

Call attention to the discrepancy existing between the original distillate and the rectified oil of Juniper.

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Hanson, R. E., and Babcock, E. N. 1907

Oil of Juniper Needles

Jour. Am. Chem. Soc., 28, p. 1198; Proc. Am. Pharm. Assoc., 55, p. 878.

Gives the yield and character of Oil of Juniper distilled from leaves and branches (berries removed) of Juniperus Communis.

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Schimmel & Co. 1907

Oil of Juniper Berries and Needles

Schimmel's Rep., April, p. 60; Proc. Am. Pharm. Assoc., 55, p. 878.

Report on Oil of Juniper distilled from Russian berries and needles.

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Schimmel & Co. 1907

Oleum Juniperi

Semi-ann. Report, Oct., p. 101; Digest of Com. U. S. P., 1907, p. 339.

Notes that in the corrections of the United States Pharmacopoeia up to June, 1907, the requirement of solubility was omitted.

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Thurston, A. 1907

Oleum Juniperi

Merck's Report, N. Y., 16, p. 124; Digest of Com. U. S. P., 1907, p. 339.

Gives optical rotation of Oleum Juniperi.

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Umney, J. C., and Bennett, C. T. 1907

Oil of Juniper

Yrbk. Brit. Pharm. Conf., 1907, p. 373; Pharm. Jour., 25, p. 150; Am. Drugg. & Pharm. Rec., 51, p. 72; Digest of Com. U. S. P. 1907, p. 339; Proc. Am. Pharm. Assoc., 56, p. 326.

Discuss what is properly so called, and what actually is, Oil of Juniper, showing the discrepancies in commercial practice.

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Bennett, C. T. 1908

Oleum Juniperis

Pharm. Jour., 27, p. 62; Digest of Com. U. S. P., 1908, p. 388.

Discusses the British Pharmacopoeial requirements for the oil. Asserts that the lower limit for specific gravity should be reduced to 0.860 and the optical rotation extended to -10°.

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Dohme, A. R. L., and Engelhardt, H. 1908

Oleum Juniperi

Proc. Am. Pharm. Assoc., 56, p. 819; Digest of Com. U. S. P., 1908, p. 387.

Asserts that the requirements of the United States Pharmacopoeia for Oil of Juniper are rather lenient and samples of grossly adulterated oil may easily escape detection.

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(Editor) 1908

Nostrums that are Beverages

Drugg. Circ., 52, p. 393

Juniper is used as a kidney cure, and also in beverages.

Evans Sons, Lescher & Webb 1908

Oleum Juniperi

Analytical Notes, 1908, p. 21; Digest of Com. U. S. P., 1908, p. 389.

Reports the examination of nineteen samples of Juniper oil. The specific gravity varied from 0.865 to 0.870 and the optical rotation varied from -7° 30' to -16° 30'.

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Gane, E. H., and Webster, M. H. 1908

Oleum Juniperi

Drug Topics, 23, p. 309; Digest of Com. U. S. P., 1908, p. 388.

Asserts that Oil of Juniper is an unsatisfactory product owing to the variable solubility. Additions of Oil of Turpentine and Pinene cannot be directly proven. Four samples varied in specific gravity from 0.864 to 0.862. All were insoluble in ten volumes of ninety per cent alcohol.

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Harris, A. E. 1908

Oleum Juniperi

Pharm. Jour., 27, p. 69; Digest of Com. U. S. P., 1908, p. 389.

Examined one sample of Juniper oil, and found it adulterated.

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Heinsler, P. I. 1908

Oleum Juniperi

Proc. Maryland Pharm. Assoc., 26, p. 35; Digest of Com. U. S. P., 1908, p. 387.

Asserts that the United States Pharmacopoeia requirements should be more strict, as Oil of Turpentine will pass the test for Oil of Juniper.

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Lehn & Fink 1908

Oleum Juniperi

Annual Report, 1908, p. 22; Digest of Com. U. S. P., 1908, p. 388

Report that a sample of Juniper oil examined by them had a specific gravity of 0.8653 and an optical rotation of -7° 15', and was passed as satisfactory.

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Schimmel & Co. 1908

Oleum Juniperi

Semi-ann. Reports, Apr., p. 124; Digest of Com. U. S. P., 1908, p. 388.

Discuss the Japanese Pharmacopoeial requirements as to specific gravity, and assert that couldiness from carbon disulphide is due to unavoidable water content.

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Schimmel & Co. 1908

Oleum Juniperi

Semi-Ann. Reports, Apr., p. 130; Digest of Com. U. S. P., 1908, p. 388

Discusses the requirements of the Swiss pharmacopoeia, and asserts that they have observed higher rotations than -11°, and fresh distillates are soluble in ten parts of 91.29 per cent alcohol.

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Schimmel & Co. 1908

Oleum Juniperi

Semi-Ann. Reports, Apr., p. 142; Digest of Com. U. S. P., 1908, p. 387

Discuss the British Pharmacopoeial requirements for Juniper oil, and call attention to the specific gravity, solubility, and optical rotation of Juniper oil.

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Schimmel & Co. 1908

Oleum Juniperi

Semi-Ann. Reports, Nov., p. 145; Digest of Com. U. S. P., 1908, p. 388

Discuss French Pharmacopoeia, fifth edition, requirements for Oil of Juniper. Give specific gravity as low as 0.860, forming a clear solution with five volumes of ninety per cent alcohol. The turbidity with carbon disulphide is due to the slight water content.

Smith, Kline and French Co. 1908

Oleum Juniperi

Analytical Report, 1908, p. 28; Proc. Penn. Pharm. Assoc., 31, p. 76; Digest of Com. U. S. P., 1908, p. 388

Reports that of two samples of Oil of Juniper, U. S. P. quality, one examined was not soluble in ten parts of ninety-five per cent alcohol.

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(Anon.) 1908

Oil of Juniper

Chem. and Drugg., 73, p. 413; Digest of Com. U. S. P., 1908, p. 388

Points out that in the French Pharmacopoeia, fifth edition, specific gravity of Juniper oil is 0.865 to 0.885, and gives a turbid solution with five volumes of ninety-five per cent alcohol.

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Dupont, J. 1909

Oleum Juniperi

Sci. and Ind. Bull. Roure-Bertrand Fils, Oct., p.11; Digest of Com. U. S. P., 1909, p. 528

Gives the definition of Oil of Juniper as adopted by the Second International Congress for the Suppression of Adulteration.

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Evans Sons, Lescher & Webb 1909

Oleum Juniperi

Analytical Notes, 1909, p. 37; Digest of Com. U. S. P., 1909, p. 528

Report on seven foreign Juniper oils, with varying specific gravity and optical rotation. One sample was adulterated with some fatty substance.

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Jane, E. H. 1909

Oleum Juniperi

Proc. Am. Pharm. Assoc., 57, p. 735; Digest of Com. U. S. P., 1909, p. 528.

Reports four lots of Juniper oil with specific gravity varying from 0.854 to 0.862. All were insoluble in ten volumes of ninety-nine per cent alcohol. They were mixed with turpentine.

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Soden, H. V. 1909

Oleum Juniperi

Pharm. Ztg., 54, p. 250; Digest of Com. U. S. P., 1909, p. 528.

Points out that the constants for Juniper oil do not exclude possible adulteration. Suggests that the maximum specific gravity should be slightly higher. That the optical rotation varies from 0 to +15° is a misapprehension, as Oil of Juniper is usually laevorotatory.

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Southhell Bros. & Barclay 1909

Oil of Juniper

Report, 1908-9, p. 22; Digest of Com. U. S. P., 1909, p. 528

Present a comparison of figures determined from commercial "Juniper Wood Oil" and "Juniper Berry Oil".

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Umney, J. C. 1909

Oleum Juniperi

Chem. and Drugg., 75, p. 580; Digest of Com. U. S. P., 1909, p. 528

Discusses the definition of Oil of Juniper of Second International Congress for Suppression of Adulteration, and asserts that the specific gravity and optical rotation restrictions should be narrowed.

--

Caesar & Loretz 1910

Oleum Juniperi

Pharm. Ber. D., A. B. 5, 1910, p. 37; Digest of Com. U. S. P., 1910, p. 591

Points out the fifth edition of German Pharmacopoeia gives ash content of Juniper berries as five per cent.

Caesar & Loretz 1910

Fructus Juniperi

Jahres-Bericht, 1910, p. 31.

Last year's crop was poor, hence this pear's price is very good. There are possibilities of a decline in price. Judgment cannot be passed, as not all of the berries have been collected as yet.

--

Evans Sons, Lescher & Webb 1910

Oleum Juniperi

Analytical Notes, 1910, p. 39; Digest of Comm.U. S. P., 1910, p. 592.

Give reports on four samples of Juniper oil and one sample of Juniper oil from the Tyrol.

--

Jeancard, P., and Satie, C. 1910

Oleum Juniperi

Am. Drugg., 56, p. 42; Pharm. Erg., 43, p. 143; Digest of Com. U. S. P., 1910, p. 591.

States that it is unusual to obtain Oil of Juniper that is soluble in ten parts of ninety percent alcohol.

--

Harvey, T. F., and Wildie, J. M. 1910

Oleum Juniperi

Chem. & Drugg., 76, p. 421; Digest of Com. U. S. P., 1910, p. 591.

States that optical rotation of Juniper oil often exceeds -12°, and suggests that the minimum limit for specific gravity should be 0.865.

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Heine & Co. 1910

Oleum Juniperi

Brit. & Col. Drugg., 57, p. 241; Digest of Com. U. S. P., 1910, p. 591.

Suggest a specific gravity of 0,860 as a minimum figure.

Hill, C. A., and Umney, J. C. 1910

Oleum Juniperi

Pharm. Jour., 84, p. 179; Chem. & Drugg., 76, p. 272; Digest of Com. U. S. P., 1910, p. 591.

Gives description of freshly prepared Oil of Juniper, giving color, specific gravity, optical rotation, refractive index, and solubility.

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Hill, C. A., and Umney, J. C. 1910

Oleum Juniperi

Pharm. Jour., 85, p. 437; Digest of Com. U. S. P., 1910, p. 592.

Replying to criticisms state that the optical rotation might be increased to -15°. The refractive index of highest fractions is of decided value.

--

Lowell, C. H., and Bradshaw, H. A. 1910

Oleum Juniperi

Proc. Am. Pharm. Assoc., 58, p. 753; Digest of Com. U. S. P., 1910, p. 591.

Report ash content of Juniper berries as varying from 2.3 per cent to 2.8 per cent.

--

Naumann, W. 1910

Oleum Juniperi

Chem. & Drugg., 76, p. 341; Digest of Com. U. S. P., 1910, p. 592.

States that the Hungarian by-product to be used medicinally should have a specific gravity of 0.865 to 0. 862.

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Noyes, C. R., and Reinold, -. -. 1910

Oleum Juniperi

Proc. Penn. Pharm. Assoc., 33, p. 94; Digest of Com. U. S. P., 1910, p. 591.

Discusses the odorous principle of Juniper wood.

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Pearson, W. A., and Sehler, H. M. 1910

Oleum Juniperi

Merck's Report, 19, p. 45; Digest of Com. U. S. P., 1910, p. 591.

Comments that U. S. P. specifications of Oil of Juniper berries should be revised because of specific gravity tests and solubility specifications.

--

E. Sachsse & Co. 1910

Oleum Juniperi

Chem. & Drugg., 76, p. 491; Brit. & Col. Drugg., 57, p. 241; Digest of Com. U. S. P., 1910, p. 592.

Consider the requirement of British Pharmacopoeia, fourth edition, better than the proposals of Hill & Umney.

--

Schimmel & Co. 1910

Oleum Juniperi

Semi-Ann. Report, April, P. 135; Digest of Com. U. S. P., 1910, p. 591.

Commenting on British Pharmacopoeia, fifth edition, states that the minimum limit fir specific gravity is too low, also comments on optical rotation and solubility.

--

Schimmel & Co. 1910

Oleum Juniperi

Semi-Ann. Report, Oct., p. 72; Digest of Com. U. S. P., 1910, p. 593.

Commenting on the proposed text of the British Pharmacopoeia, fifth edition, state that the minimum specific gravity for Oil of Juniper as too low.

Schimmel & Co. 1910

Oleum Juniperi

Semi-Ann. Report, Oct., p. 93; Digest of Com. U. S. P., 1910, p. 591.

Report that some American oils show abnormal optical rotation that is not in accordance with the U. S. P.

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Southhall Bros. & Barclay 1910

Oleum Juniperi

Report, 1910, p. 21; Digest of Com. U. S. P., 1910, p. 592.

Report that the results obtained from eight samples of commercial oil confirm the value of the refractive index test.

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Stafford Allen & Sons, Ltd. 1910

Oleum Juniperi

Chem. & Drugg., 76, p. 372; Digest of Com. U. S. P., 1910, p. 592.

Gives report on a sample of Juniper oil of specific gravity 0.8751, optical rotation -10°, solubility in alcohol one in two and one-half cubic centimeters.

--

Stanislaus, I.V.S. 1910

Oleum Juniperi

Proc. Penn. Pharm. Assoc., 19, p. 142; Digest of Com. U. S. P., 1910, p. 591.

Gives specific gravity of samples of Juniper oil as 0.856 to 0.860. "The United States Pharmacopoeia should be here revised." Gives solubility tests of Oil of Juniper.

--

Watlock, A. E. 1910

Oleum Juniperi

Pharm. Jour., 84, p. 317; Digest of Com. U. S. P., 1910, p. 591.

Suggests a range in specific gravity of from 0.865 to 0.890 for Oil of Juniper.

--

Caesar & Loretz 1911

Fructus Juniperi

Jahres-Bericht, 1911, p. 37.

States that the crop of Juniper berries was good for this season, and prospects are for a good crop next season.

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Committee of Reference 1911

Oleum Juniperi

Third Report, p. 14; Pharm. Jour., 87, p. 591; Digest of Com. U. S. P., p. 480.

Gives a description of Oil of Juniper.

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Evans Sons, Lescher & Webb 1911

Oleum Juniperi

Analytical Notes, 1911, p. 40, and 1912, p. 77; Digest of Com. U. S. P., 1911, p. 480

Gives the specific gravity, optical rotation, refractive index, and solubility of thirteen samples of Juniper oil.

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Miller, A. W. 1911

Oleum Juniperi

Proc. N. W. D. A., p. 86; Digest of Com. U. S. P., 1911, p. 480.

Reports the crop of 1911 as only one-third of that of 1910.

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Parry, E. J. 1911

Oleum Juniperi

Chem. & Drugg., 79, p. 492; Digest of Com. U. S. P., 1911, p. 480.

States that the monograph for Oil of Juniper of the British Pharmacopoeia is disappointing, as the oil could

easily be adulterated with carefully prepared turpentine without interfering with the optical activity.

--

Schimmel & Co. 1911

Juniper Berry Oil

Semi-Ann. Report, Oct., p. 72; Proc. Am. Pharm. Assoc., 59, p. 380.

Give the constituents of Juniper oil, and proving the presence of Camphene.

--

Southhall Bros. & Barclay 1911

Oleum Juniperi

Report, 1911, p. 27; Digest of Com. U. S. P., 1911, p. 480.

Report that they use Umney's method of determining the purity of Juniper oil, by observing the refractive index of the oil after eighty per cent has been distilled.

--

Timmann, O. 1911

Oleum Juniperi

Apoth.-Ztg., 26, p. 385; Digest of Com. U. S. P., 1911, p. 480.

States that Juniper berries are obtained from Bavaria, Hungary, and France; but the chief supply is from Italy.

--

(Unsigned) 1911

Oleum Juniperi

Pharm. Jour., 86, p. 654; Digest of Com. U. S. P., 1911, p. 480.

Give a review of the text of the German Pharmacopoeia, fifth edition, for Oil of Juniper, and points out that the specific gravity varies from 0.860 to 0.880, and that the oil is required to be soluble in ten parts of alcohol.

--

(Committee) 1912

Oleum Juniperi

Yrbk. Am. Pharm. Assoc., 1, p. 333.

Juniper Berry Oil is described as to properties, physical and chemical, and methods of preparation are described.

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(Editor) 1912

Juniperylsatum

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(Editor) 1912

Mistura Buchu et Juniperi Composita

Drugg. Circ., 56, p. 315.

Gives the preparation of a compound mixture of Buchu and Juniper according to Australian methods.

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(Editor) 1912

Juniferal

Drugg. Circ., 56, p. 460

Juniferal is said to contain Extract of Juniper berries, Extract of Anchona, and Iron.

--

Hill, C. A., and Umney, J. C. 1911

Oil of Juniper

Perf. & Ess. Oil Rec., p. 229; Chem. & Drugg., 79, p. 492; Digest of Com. U. S. P., 1911, p. 480.

State the importance of refractive index of Oleum Juniperi.

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Mann, E. W. 1912

Oleum Juniperi

Annual Rep. Southall Bros. & Barclay, 1912-13, p. 29; Digest of Com. U. S. P., 1912, p. 363.

Gives distinctions between genuine distillations of Juniper and saphiscated oils known as Juniper Wood Oil.

North, H. 1912

Oleum Juniperi

Report Lehn & Fink Anal. Dept., 1910-12-13, p. 52; Digest of Com. U. S. P., 1912, p. 363.

Gives the optical rotation and specific gravity of six samples of Oil of Juniper.

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Richter, R. 1912

Oleum Juniperi

Pharm. Zentralb. 53, p. 893; Digest of Com. U. S. P., 1912, p. 363.

States that the Pharmacopoeia Germica, fifth edition, describes Oil of Juniper as colorless or pale yellowish or greenish, and the specific gravity as 0.860 to 0.880.

--

Schimmel & Co. 1912

Oleum Juniperi

Semi-Ann. Report, Apr., p. 139; Digest of Com. U. S. P., 1912, p. 363.

States that commercial Oil of Juniper of good quality has a specific gravity of 0.860.

--

(Editor) 1913

Some Proprietaries in European Pharmacy--Junicosan

Drugg. Circ., 57, p. 348.

Junicosan consists chiefly of potassium sulphoguaiacolate and extracts of Juniper berries.

--

(Editor) 1913

Juniper Berries--Drugs, Adulterated and Otherwise

Drugg. Circ., 57, p. 739.

Give conditions of the Juniper berries in the markets showing the extent of adulterations and impurities.

--

(Editor) 1913

Oleum Juniperi

Perf. & Ess. Oil. Rec., 4, p. 402; Dig. of Com. U. S. P., 1913, p. 380

Gives the chief characteristics of Juniper oil.

--

Heister, L. 1913

Iodized Oil of Juniper

Drugg. Circ., 57, p. 692.

Gives the method of preparing Iodized Oil of Juniper.

--

Henkel, Alice 1913

Oleum Juniperi

U. S. Dept. Agr. Bull. No. 26, p. 2; Digest of Com. U. S. P., p. 380.

Gives synonyms, habitat, range, description, collection, uses, and prices of Juniper berries and oil.

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Parry, E. J. 1913

Oleum Jinuperi

Perf. Ess. Oil.Rec., 4, p. 343; Digest of Com. U. S. P., 1913, p. 380.

Gives a review of a recent Juniper Oil case, showing unsatisfactory conditions under British regulations.

--

Reidel, J. D. 1913

Juniper Berries

Riedel's Berichte, p. 31; Digest of Com. U. S. P., 1913, p. 380.

Juniper fruit contained 3.0 to 4.1 per cent of total ash and up to 0.2 per cent of insoluble ash.

Rusby, H. A. and Kebler, L. F. 1913

Juniper Berries

Jour. Am. Pharm. Assoc., 2, p. --.

Gives data on the crop and conditions of Juniper berries for the year 1913.

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Schimmel & Co. 1913

Oleum Juniperi

Semi-Ann. Report, Oct., p. 113; Chem. & Drugg., 83, p. 586; Dig. of Com. U. S. P., 1913, p. 380.

Points out that the Pharmacopoeia Norwegica IV requirement is given for Oil of Juniper.

--

Swift, E. G. 1913

Juniper Berries

Proc. N. W. D. A., p. 292; Oil, Paint and Drug Rep., 83, p. 42; Dig. of Com. U. S. P., 1913, p. 380.

A few instances reported indicate an attempt to substitute the fruits of our western red cedar in place of the imported drug.

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(Committee) 1914

Oleum Juniperi

Jour. Am. Pharm. Assoc., 3, p. 1108.

Gives official Latin title, definition, description, and properties of Oil of Juniper (U. S. P.)

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(Committee) 1914

Juniperus--Juniper Berries

Jour. Am. Pharm. Assoc., 3, p. 875.

Gives official Latin title, official English title, definition, preservation, impurity limit, description, ash content, and constituents of Juniper Berries (N. F.)

(Committee) 1914

Oleum Juniperi, U. S. P. IX

Abstr. Prof. Changes, Part 5, 1914, p. 9; Jour. Am. Pharm. Assoc., p. 1108; Dig. of Com. U. S. P., 1914, p. 379.

Gives United States Pharmacopoeia definition, specific gravity, and optical rotation of Oleum Juniperi.

--

(Editor) 1914

Oleum Juniperi

Perf. & Ess. Oil Rec., 5, p. 5; Digest of Com. U. S. P., 1914, p. 379.

Tells of the constant changing of the Oil of Juniper, thus making the standard hard to regulate.

--

E'we, G. E. 1914

Oleum Juniperi

Proc. Penn. Pharm. Assoc., 37, p. 149; Digest of Com. U. S. P., 1914, p. 379.

Gives specific gravity of several samples of Oil of Juniper examined.

--

Henkel, Alice 1914

Juniperus Communis

Phys. Drug News, 9, p. 120; Spatula, 20, p. 283; Chem. and Drugg., 84, p. 108; Digest of Com. U. S. P., 1914, p. 379.

Gives an illustrated description of Juniperus Communis.

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Noyes, C. R. 1914

Oleum Juniperi

Proc. Minn. Pharm. Assoc., 30, p. 192; Jour. Am. Pharm. Assoc. 3, p. 855; Digest of Com. U. S. P., 1914, p. 379.

Gives conditions of the commercial Oil of Juniper.

Mann, E. W. 1914

Oleum Juniperi

Ann. Rep. Southall Bros. & Barclay, p. 34; Digest of Com. U. S. P., 1914, p. 379.

Have not met with any adulteration of Oil of Juniper for period under review. All samples examined have met the requirements of the British Pharmacopoeia V.

--

(Editor) 1915

Oleum Juniperi

Perf. & Ess. Oil Rec., 6, p. 336; Digest of Com. U. S. P., 1915, p. 344.

Gives U. S. P. IX specific gravity, which is slightly lower than the minimum of the British Pharmacopoeia V.

--

Schimmel & Co. 1915

Oleum Juniperi

Semi-Ann. Report, Oct., p. 47; Digest of Com. U. S. P., 1915, p. 345.

State that the specific gravity in the British Pharmacopoeia V should be 0.860 in justice to the Hungarian oils, which have been taken into consideration in the limits of optical rotation.

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Hare, A. H., Caspari, C., Jr., and Rusby, H. H. 1916

Juniperus et Oleum Juniperi

National Standard Dispens., 3 ed., pp. 879 and 1134.

Give official Latin title, official English title, definition, origin, description, constituents, pharmaceutical preparation, action, and uses of Juniper berries.

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Engelhardt, H. 1917

Oleum Juniperi

Jour. Am. Pharm. Assoc., p. 412; Digest of Com. U. S. P., 1917, p. 268.

Suggests an additional U. S. P. test for the adultera-

tion of Oleum Juniperi. A shipment listed consisted largely of turpentine.

--

Wickham, E. A. 1920

Spiritus Juniperi Compositus

Jour. Am. Pharm. Assoc., 9, p. 412.

Discussion of the therapeutic value of Compound Spirits of Juniper in comparison to brandy, whiskey, etc.

History of

Juniperus Communis Linne

(Fruit and Oil)

in the

UNITED STATES PHARMACOPOEIA, 1820-1910

and the

NATIONAL FORMULARY IV (1916)

United States Pharmacopoeia, 1820, p. 39

Juniperus — Juniperus Communis W. IV 855

Juniper — Bw III 45

Baccae, the Berries

--

United States Pharmacopoeia, 1830, Phil., p. 14

Juniperus — Juniperus Communis W IV

Juniper — 853 Bw. III 43

Baccae, the Berries

--

United States Pharmacopoeia, 1830, N. Y., p. 41

Juniperi Baccae et Cacumina — Juniperus Communis

Juniper Berries and Tops

Prop. Odour, Strong aramatic; taste warm and pungent, sweetish,/with a slight degree of bitterness; medicinal qualities yielded to alcohol/ and water.

Med. Oper. Diuretic, carminitive, diaphoretic. Dose ℈i. to ʒ ss.

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United States Pharmacopoeia, 1840, p. 24

Juniperus — Juniper

The Fruit of Juniperus Communis.

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United States Pharmacopoeia, 1850, p. 28

Juniperus — Juniper

The Fruit of Juniperus Communis.

United States Pharmacopoeia, 1860, p. 33

Juniperus Juniper

The fruit of Juniperus Communis.

--

United States Pharmacopoeia, 1870, p. 34

Juniperus Juniper

The fruit of Juniperus Communis

--

United States Pharmacopoeia, 1880, p. 188

Juniperus

Juniper

The fruit of Juniperus Communis Linne (Nat. Ord., Coniferae)./ Nearly globular, about one-third of an inch (8 millimeters) in diameter, dark/ purplish, with a bluish-gray bloom, a three-rayed furrow at apex, internally:/ pulpy, greenish-brown, containing three ovate, somewhat triangular, bony seeds,/ with several large oil-glands on the surface; odor, aromatic; taste, sweet. Tereben-/ thinate, bitterish and slightly acrid.

--

National Formulary, IV, p. 309.

Juniperus

Juniper Berries

Junip.

The carefully dried ripe fruit of Juniperus Communis Linne (Fam./ Pinaceae). Preserve Juniper Berries in air-tight, tin or glass containers,/ and reject old or insect-infected fruit.

Nearly globular, about 8 mm. in diameter; externally smooth, shining black-brown/ to purplish-black with a blue-gray bloom, at the apex a three-rayed furrow marks the/ cohesion of the turee fleshy bracts forming the pericarp; internally loosely fleshy,/ greenish-brown, containing numerous large Schezogenous cavities; seeds three,/ triangular ovate, hard, brown, with large uneven oil glands on the surface. Odor/ aromatic; taste sweet, pleasant terebenthinate, slightly bitter.

Sections, when examined under a microscope, exhibit a pericarp consisting of an/ epiderm of a single row of rounded polygonal cells filled with a brown granular sub-/ stance, at the sutures of the bracts these become blind papillae; a hypodermis of two or/ three rows of brown-red, collenchymatous cells thickened at the angles; the fleshy pro-/ traversed by fibro-vascular bundles with arcolated fibers; a selerenchymatous ring of/ six to eight rows of very thick cells with pitted walls, many enclosing prismatic/ crystals of calcium oxalate; the seed-testa shows a layer of two to ten rows of stone/ cells§ with radial marking on the walls, and each enclosing a polygonal crystal of/ calcium oxalate; endosperm and embryo rich in fat and aleurone.

Juniper berries yield not more than five per cent of ash.

Average dose, metric, 4 gm., apoth. 1 dr.

United States Pharmacopoeia, 1880, p. 237

Oleum Juniperi

Oil of Juniper

A volatile oil distilled from Juniper.

A colorless or faintly greenish-yellow liquid, becoming darker and thicker by/ age and exposure to air; having the characteristic odor of Juniper, a warm, aro-/ matic, somewhat terebenthinate and sweetish taste, and a neutral reaction. Sp./ gr. about 0.870. It is soluble in about 12 parts of alcohol, forming a turbid liquid.

Preparations: Spiritus Juniperi, Spiritus Juniperi Compositus.

--

United States Pharmacopoeia, 1890, p. 279

Oleum Juniperi

Oil of Juniper

A volatile oil distilled from the fruit of Juniperus Communis Linne/ (not ord. Coniferae).

It should be kept in well-stoppered bottles, in a cool place, protected/ from light.

A colorless or faintly greenish-yellow liquid, becoming darker and thicker/ by age and exposure to air, having a characteristic odor of Juniper, and a/ warm aromatic, somewhat terebenthinate and bitterish taste./ Specific gravity: 0.850 to 0.890 at 15° C. (59° F.)/ Soluble in about four times its volume of alcohol, forming a somewhat turbid/ liquid, which is neutral or slightly acid to litmus paper. Also soluble in an/ equal volume of carbon disulph-ide./

Preparations: Spiritus Juniperi

Spiritus Juniperi Compositus.

--

United States Pharmacopoeia, 1900, p. 315

Oleum Juniperi

Oil of Juniper

A volatile oil distilled from the fruit of Juniperus Communis Linne (Fam. Coniferae). It should be kept in well-stoppered, amber-colored bottles, in a cool place, protected from light.

A colorless or faintly green or yellow liquid, having the characteristic odor of Juniper, and a warm, aromatic, somewhat terebenthinate and slightly bitter taste.

Specific gravity: 0.860 to 0.880 at 25° C. (77° F.)

Soluble in ten volumes of ninety per cent alcohol.

Average dose 0.2 Cc. (3 minims).

--

United States Pharmacopoeia, 1910, p. 293

Oleum Juniperi

Oil of Juniper

Ol. Junip.--Juniper Oil.--Oil of Juniper Berries; a volatile oil distilled from the ripe fruit of Juniperus Communis Linne (Fam. Pinaceae). Preserve it in well-stoppered, amber-colored bottles, in a cool place, protected from light.

Oil of Juniper is a colorless or faintly green or yellow liquid, having the characteristic odor and taste of Juniper

berries. It is soluble in four volumes of alcohol, with not more than slight cloudiness. Specific gravity 0.854 to 0.859 at 25° C.

The optical rotation varies from o° to -15° in a 100 mm. tube at 25° C. See part II, Test No. 21.

Preparations: Spiritus Juniperi

Spiritus Juniperi Compositus

--

Juniper (Fruit and Oil)

Summary of Data in United States Pharmacopoeia and National Formulary.

Official in--

'20, '30 N. Y., '30 Phil., '40, '50, '60, '70, '80, '90, '00, '10, N. F. IV.

Official Latin title--

Juniperus, '20, '30 Phil., '40, '50, '60, '70, '80, N. F. IV.

Juniperi Baccae et Cacumina, '30 N. Y.

Oleum Juniperi, '80, '90, '00, and '10.

Official English title--

Juniper, '20, '30,Phil., '40, '50, '60, '70, '80, N. F. IV.

Juniper Berries and Tops, '30 N. Y.

Oil of Juniper, '80, '90, '00, '10.

Abbreviation--

Junip., N. F. IV.

Ol. Junip., '10.

Synonym--

Juniper Oil, '10.

Botanical Name--

Juniperus Communis, '20, '30 Phil., '30 N. Y. '40, '50, '60, '70, '80, '90, '00, '10, N. F. IV.

Family Name--

Not ord. Coniferae, '80, '90.

Fam. Coniferae, '00

Fam. Pinaceae, '10, N. F. IV.

Part Used--

Berries and Tops, '30 N. Y.

Baccae, The berries, '20, '30 Phil.,

The fruit, '40, '50, '60, '70, '80, N. F. IV.

The Volatile Oil, '80, '90, '00, '10.

Description--

U. S. P. 1830 N. Y.

Prop. odour, strong, aromatic; taste, warm, pungent, sweetish,/ with a slight degree of bitterness; medicinal qualities yielded to alcohol/ and water.

Med. oper. Diuretic, Carminature, Diaphoretic./

Dose, ℈1 to ℈ss.

--

U. S. P. '80.

The Fruit nearly globular, about one third of an inch (8 millimeters) in diameter, dark/ purplish, with a bluish gray bloom; a three rayed furrow at the apex; internally/ pulpy, greenish brown, containing three oviate, somewhate triangular bony seeds,/ with several large oil glands on the surface; odor, aromatic; taste, sweet tereben-/ thinate, bitterish and slightly acrid.

--

Oleum Juniperi, U. S. P. '80.

A colorless or faintly greenish yellow liquid, becoming darker and thicker by/ age and exposure to air; having the characteristic odor of Juniper; a warm, aro-/ matic, somewhat terebenthinate, and sweetish taste; and a neutral reaction. Sp./ gr. about 0.870. It is soluble in about

twelve parts of alcohol, forming a turbid liquid.

--

Oleum Juniperi U. S. P. '90.

A colorless or faintly greenish yellow liquid, becoming darker and thicker/ by age and exposure to air, having a characteristic odor of Juniper, and a/ warm, aromatic, somewhat terebenthinate and bitterish taste./ Specific gravity: 0.850 to 0.890 at 15° C. (59° F.)/ Soluble in about four times its volume of alcohol, forming a somewhat turbid/ liquid, which is neutral or slightly acid to litmus paper. Also soluble in an/ equal volume of Carbon Disulphide.

--

Oleum Juniperi U. S. P. '00.

A colorless, faintly green, or yellow liquid, having the characteristic odor of Juniper, and a warm, aromatic, somewhat terebinthinate, and slightly bitter taste.

Specific gravity: 0.860 to 0.880 at 25° C. (77° F.)

Soluble in ten volumes of ninety percent alcohol.

--

Oleum Juniperi U. S. P. '10.

Oil of Juniper is a colorless, faintly green or yellow liquid having the characteristicodor and taste of Juniper berries. It is soluble in four volumes of alcohol with not more than a slight cloudiness. Specific gravity 0,854 to 0.859 at 25° C. The optical rotation varies from 0° to -15° in a 100 mm. tube at 25° C. See Part II, Test No. 21.

Dose:-

Juniperus, N. F. IV, metric 4 grams, apoth. 1 drachm.

Oleum Juniperi, U. S. P. 1900; metric, 0.2 Cc., (3 minims). U. S. P. 1910, Metric, 0.2 mils, apoth. 3 minims.

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Preparations--

Spiritus Juniperi, Spiritus Juniperi Compositus, U. S. P. '80, '90, '00, '10, N. F. IV.

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Prop.--

N. Y. '30.

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Med. Oper.--

N. Y. '30.

Approved by W. O. Richtmann

Asst. Prof. of Pharmacognosy