BIBLIOGRAPHY OF JUNIPERUS COMMUNIS LINNE

By

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SCHOOL OF PHARMACY

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Bauhini, C. 1671.

Juniperus.

Pinacis Theatri Bot., p. 488. (Sp. pl. p. 1040; Linne, Mat. Med., p. 217; Smith Flora Eng., v. 4, p. 251.)

Gives classification and description of several varieties of Juniper.

Linndeus, C. 1753.

Juniperus communis.

Species Plantarum, 1 ed., v. 2, p. 1040. (Bentley & Trim. Med. Pl., p. 255; Torrey Flora N.Y. v. 2, p. 234; Linne Mat. Med., p. 217; Griffith Med. Bot., p. 608; Bigelow Med. Bot., v. 3, p. 43; Smith Eng. Flora, 4, p. 251.

Gives classification, description and habitat.

Linne, C.A. 1772.

Juniperus communis.

Materia Med., p. 217.

Gives classification, description, habitat, parts and preparations used, medicinal properties and uses.

Bomare, V. 1775.

Dict. d'Hist. Nat., 2, p. 45. (Fluck. & Honb. Pharmacographis, 1 ed., p. 565; ibid., 2 ed., p. 625.)

The original was not available.

Smith, J.E. 1790.

Eng. Bot., v. 16, p. 1130; (Eclec. Dispens., p. 191; Bigelow Med. Bot., v. 3, p. 43; Griffith Med. Bot., p. 608; Smith Flora Eng., v. 4, p. 251; Torrey Flora N.Y., v. 2, p. 234.)

(The original was not available).

Smith, J.E. 1800.

Flora Brit., v. 3, p. 1085. (Eclec. Dispens., p. 191; Bigelow Med. Bot., v. 3, p. 43; Smith Eng. Flora, v. 4, p. 251.)

(The original was not available).

Michaux, A. 1803.

Juniperus, L.

Flora Boreali-Am., v. 2, p. 245. (Bigelow Med. Bot., v, 3, p. 43; Torrey Flora N.Y. v. 2, p. 234.)

Gives classification, description of flower, leaves and fruit and habitat.

Coxe, J.R. 1806.

Volatile Oil of Juniper.

Am. Dispens., 1 ed., p. 395; ibid., 4 ed., p. 477; ibid., 7 ed., p. 440.

Gives general method for preparation of volatile oils, and says oil of juniper is prepared from the berries, and lists properties and uses.

Coxe, J.R. 1806.

Juniperus.

Am. Dispens., 1 ed., p. 401; ibid., 4 ed., p. 310.

Gives its place in the Linnean system, official titles of the three English pharmacopoeia, titles in 10 languages, habitat, description of plant and berry, medicinal properties, and two official preparations.

Committee. 1808.

Juniper.

Pharmacopoeia Mass. Med. Soc., p. 18.

Gives scientific name and parts used.

Committee. 1808.

Juniper Oil.

Pharmacopoeia Mass. Med. Soc., p. 96.

Gives method of preparation.

Woodville, W. 1810.

Juniperus communis.

Med. Bot. 2 ed., v. 1, p. 13; (Eclec. Dispens., p. 291; National Dispens., 2 ed., p. 796; ibid., 3 ed., p. 850;) Bent. & Trim. Med. Pl., p. 255; Bigelow, Med. Pl., v. 3, p. 43, Smith Eng. Flora, v. 4, p. 251.

Gives several synonyms, description, physical and therapeutic properties, uses and a colored illustration.

Thacher, J. 1813.

Oleum Juniperi communis.

Am. New Dispens., 2 ed., p. 476; ibid., 4 ed., p. 520.

Very briefly describes the oil, gives uses and mentions a substitution sometimes practiced.

Thacher, J. 1813.

Juniperus communis, Juniper. The berries and leaves.

Am. New Dispens., 2 ed., p. 245; ibid., 4 ed., p. 257.

Discusses the habitat, describes the plant, its several parts, lists the parts used medicinally, their constituents and medicinal and commercial uses.

Henry, S. 1814.

Juniper.

Am. Med. Fam. Herb., p. 172.

Gives scientific name, description with small drawing, history, properties, preparations and use.

Committee. 1816.

Juniper.

Pharmacopoeia N.Y. Hosp., p. 20.

Gives scientific name and parts used.

Committee. 1816.

Juniper Oil.

Pharmacopoeia N.Y. Hosp., p. 20.

Gives scientific name and parts used.

Pursh, F. 1816.

Juniperus.

Flora Am. Septem., v. 2, p. 646; (Torrey Flora N.Y., v. 2, p. 234; Bigelow, Med. Bot., v. 3, p. 43.)

Gives a few words of description.

Ewell, J. 1817.

Juniper, Common.

Med. Companion, 3 ed., p. 550.

Gives brief description, use, properties and method for preparing and using a decoction of the tops and berries.

Barton, W.P.C. 1818.

Juniperus.

Compend. Flor. Phila., p. 200.

Gives classification, brief description and habitat.

Nuttall, T. 1818.

Juniperus, L.

Genera of N.A. plants, v. 2, p. 245.

Gives classification, description of plant and parts and habitat.

Bigelow, J. 1820.

Juniperus Communis.

Am. Med. Bot., v. 3, p. 43. (Torrey's Flora N.Y., v. 2, p. 234; Griffith Med. Bot., p. 608; Bent. & Trim. Med. Plants, p. 255.)

Gives a complete discussion, including detailed description, classification, properties, medicinal use and bibliography.

Bigelow, J. 1822.

Mat. Med. of U.S.P. p. __.

(The original was not available).

American Physician. 1827.

Juniperus.

Eclectic Dispens., p. 191.

Gives titles in three English pharmacopoeias, titles in 6 languages, classification, description, reference to 3 botanys, constituents, medicinal properties and uses, preparation of the infusion and 2 official preps.

Coxe, J.R. 1827.

Juniperus.

Am. Dispens., 7 ed., p. 368.

Gives its place in the Linnean system, official titles of the three English pharmacopoeias, titles in 5 languages, habitat, description of plant and berry and medicinal properties.

American Physician 1827.

Oleum Juniperi.

Eclectic Dispens., p. 390.

Gives titles in 3 English Pharmacopoeias, titles in 3 languages, brief description and properties, medicinal properties and uses and dose.

Recluz, C. 1829.

Table of the Quantity of Volatile Oils Yielded by Different Plants.

Am. Jour. Pharm., 1, p. 133.

The yield of volatile oil from juniper berries is given.

Martius, T.W.C. 1831.

Einige Pharmacognostiche Bermerkungen.

Buchner. Rept., 39, p. 236-243; (Buchner Rept., S.2, v. 5, p. 254; ibid., 48, p. 92; Rec. gen. sci.__ __ Chem. Cent. Blatt., 7, p. 386, Am. Jour. Pharm., 9, p. 83; Wurt. Corresp. Blatt, __ __).

Reports on the specific gravity and yield of oil of juniper are included in a chart of many oils.

Nicolet, A.C. 1831.

Physiologique et chimique sur les fruits du genre Juniperus.

Jour. de pharm. et de chim., 23, p. 309; (Am. Jour. Pharm., 3, p. 239.)

Describes methods of separation and an analysis of a crystalline resinous substance and a vegetable wax separated from Juniper berries.

Guibourt, M. 1832.

Note sur la pesanteur specifique des huiles volatiles.

Jour. de Chim. Med., s. 1, 8, p. 345. (Am. Jour. Pharm., 5, p. 60.)

A table of the specific gravities of various volatile oils is given, including oil of juniper.

Wood, S.B., Bache, F. 1834.

Juniperus U.S.

U.S. Dispens., 2 ed., p. 388; (Ibid., 3 ed., p. 379; Ibid., 4 ed., p. 390; Ibid., 5 ed., p. 411; Ibid., 10 ed., p. 428; Ibid., 12 ed., p. 493; Ibid., 13 ed., p. 507; Ibid., 14 ed., p. 527.)

Gives synonym, titles in 3 English pharmacopoeias, titles in 4 languages, classification, description of plant and parts, medical properties and uses, dosage and official preparation.

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

Oleum Juniperi.

U.S. Dispens., 2 ed., p. 940; ibid., 3 ed., p. 920; ibid., 4 ed., p. 979; ibid., 5 ed., p. 1052.

Gives title in 3 English pharmacopoeias, and synonyms. Discusses berry and oil with description, mentions adulteration with turpentine oil, gives medical properties, use and dose.

Nester, A. 1834.

Sur les fruits du genevrier.

Jour. de chim. med., 10, p. 246. (Am. Jour. Pharm., 6, p. 351.)

Describes the fruit and explains why green juniper berries yield more essential oil than the ripe, and much more than the dried article.

Raybaud, __. 1835.

Ueber die aetherischen Oele.

Buchner Rept., S.2, v. 1, p. 82. (Buchner Rept., S.2, v.5, p. 254; Rec. gen. sci. __ __; Wurt. Corresp. Blatt. __ __; Chem. Cent. Blatt., 7, p. 386; Am. Jour. Pharm., 9, p. 83.)

Two tables of yield of various oils juniper oil is included.

Dunds, __. 1835.

Note sur la Composition de quelques substances organiques.

Jour. de Chim. Med., S.2, v. 1, p. 308. (Les Suiles Essentielles, p. 919).

Gives the proportions of carbon and hydrogen in oil of juniper, among others.

Procter, W. Jr. 1838.

Observations on some of the camphoriferous essential oils and on the resins evolved from some of the essential oils, by their reaction with acid(Sulphuric).

Am. Jour. Pharm., 10, p. 17.

Old juniper oil has a greater specific gravity than recent oil. H_2SO_2 and essential oils yield resins. Juniper yields a red resin which colors H_2SO_4 a dark red.

Soubeiran, E., & Capitaine, H. 1840.

Essence de genievre.

Jour. de Pharm., 26, p. 80. (U.S. Dispens., 13 ed., p. 1308).

A discussion of physical properties and constituents of oil of juniper.

Mattson, M. 1841.

Juniper.

Am. Veg. Practice, V. 1, p. 274.

Gives description of plant and parts, habitat, properties and uses.

Torrey, J. 1843.

Juniperus Communis.

Flora of New York, v. 2, p. 234.

Gives a botanical description, habitat, and the properties and uses of its berries.

Smith, J.E. 1843.

Juniperus Communis.

English Flora, 2 ed., v. 4, p. 251.

Gives classification, description and habitat.

Griffith, R.E. 1847.

Juniperus, Linn.

Med. Bot., p. 608.

Gives classification, description of plant and parts, habitat, properties and use.

Salm-Horstmar, F. 1847.

Ueber Thonerdegehalt der Pflanzen.

Jour. fuer prakt. Chem., 40, p. 303. (Chem. Gaz., __, p. __; Am. Jour. Pharm., 20, p. 159.)

Compares Juniperus with other plants, saying that Juniperus contains a small amount of alumina, explaining that it probably has less than some plants because the roots do not give an acid reaction as some do.

Lee, C.A. 1848.

Juniperus Communis.

Med. Plants of N.Y., p. 54.

Gives classification and properties and use of the oil.

Plummer, J.L. 1853.

Decolorizing property of the essential oils.

Am. Journ. Pharm., 25, p. 398.

Oil of Juniper is one of a number of essential oils having peculiar decolorizing properties.

Plummer, J. L. 1853.

Experiments with Sulphindigotic Acid and ozonous atmospheres.

Am. Journ. Pharm., 25, p. 508.

Further observations on the peculiar decolorizing properties of essential oils, including oil of juniper.

Zeller, G.H. 1854.

Studien Ueber die Aetherischen Oele.

Jahrbuch fuer Pharm., S.2, v. 2, p. 282. (Cent. Blatt., 26, p. 207; U.S. Dispens., 13 ed., p. 1308; ibid., 17 ed., p. 940.)

In a chart and discussion of the yields of oils obtained by several investigators oil of juniper is included.

Wood, G.B. & Bache, F. 1854.

Oleum Juniperi.

Dispens., of U.S.A. 10 ed., p. 1102.

Lists title in 3 English pharmacopoeias, discusses fruit and oil constituents, method of adulteration, medicinal properties and uses, dose, and one official preparation.

Heppe, C.S. 1857.

On the Detection of Adulteration of Essential Oils, Especially with Oil of Turpentine.

Am. Journ. Pharm., 29, p. 326.

Testing for oil of turpentine in volatile oils with nitroprusside of copper.

Heller, __. 1858.

Zeitsch. d. Wiener Aerzte __ __. (Wittstein's V. Schr., 8, p. 462; Am. Jour. Pharm., 31, p. 566; Proc. Am. Pharm. Assoc. 9, p. 97.)

(The original was not available).

Frederking, C. 1859.

Ueber eine Beobachtung der Entfärbung des schwefelsauren Indigsmittelst Terpentinoels.

Archiv. der Pharm., 149, p. 289; (Am. Jour. Pharm., 32, p. 46.)

Decolorization of indigo solution by some essential oils, including oil of juniper, is discussed.

(Editor) 1859.

Juniperus Communis.

Drugg. Circ., 3, p. 82.

Discusses the habitat of the plant and therapeutic properties of oil of Juniper berries and preparation of the fluidextract.

Buignet, M.H. 1861.

Application de la physique a la solution de quelques problemes de chemie et de pharmacie.

Jour. de pharm. et de chim., 40, p. 252; (Am. Jour. Pharm., 34, p. 140.)

Discusses the optical rotation of numerous substances including oil of juniper berries.

Gladstone, __. 1863.

Chem. Soc. Jour., S. 2, v. 2, p. 1. (Am. Jour. Sci. & Arts., 40, p. 273; Am. Jour. Pharm., 37, p. 340.)

(The original was not available).

King, J. 1864.

Oleum Juniperi.

Am. Dispens., 6 ed., p. 1205; ibid., 8 ed., p. 1097; ibid., 10 ed., p. 1097.

Gives source and preparation, description, properties and uses and one official preparation.

King, J. 1864.

Juniperus Communis.

Am. Dispens., 6 ed., p. 531.

Gives description of tree and fruit, history, properties and uses, dose of berries and oil and two official preparations.

Wood, G.B. & Bache, F. 1865.

Oleum Juniperi.

Dispens. of U.S.A. 12 ed., p. 1253; ibid., 14 ed., p. 1350; ibid., 13 ed., p. 1308.

Gives definition, description, method of preparation, constituents, method of adulteration, medicinal properties, use, dose and two official preparations.

Maier, J. 1865.

Detection of the Adulteration of Essential Oils with Oil of Turpentine by the Saccharimeter.

Am. Jour. Sci. & Arts, 40, p. 273. (Am. Jour. Pharm., 37, p. 339.)

Experiments in detecting impurities in essential oils, including oil of juniper by optical rotation is described.

Hollemback, H. 1865.

Juniperus Communis.

Am. Eclec. Mat. Med., p. 223.

Gives classification, description of plant and parts, history, habitat, properties, use and dose of the oil. A small illustration is included.

——— 1868.

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Bost. Med. & Surg. Jour., 32, p. 96. (U.S. Dispens., 13 ed., p. 1308; ibid., 17 ed., p. 940.)

(The original was not available).

Brown, O.P. 1870.

Juniper.

Complete Herbalist, p. 91.

Describes the plant, gives history, properties, use, and dose of the berries and oil.

King, J. 1872.

Juniperus Communis.

Am. Dispens., 8 ed., p. 462; ibid., 10 ed., p. 462.

Gives description of tree and fruit, history, properties and uses, dose of berries and oil and three official preparations.

(Committee) 1872.

Report of the Committee on the Drug Market.

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

Report includes Juniper Berries.

Donath, E. 1873.

Zur Kenntniss der Wachholderbeeren.

Polyt. Jour., 208, p. 300; (Chem. Centralbl., 44, p. 457; Am. Jour. Pharm., 45, p. 447; Proc. Am. Pharm. Assoc., 22, p. 163.)

An analysis of juniper berries.

Leuchs, A. 1873.

Nachweisung von Wasser in aetherischen Oelen.

Jour. f. prakt. Chem., 114, p. 159. (Am. Jour. Pharm., 45, p. 110.)

In discussing volatile oils he says oil of juniper was found to contain water.

Schuebeler, __. 1873.

Culturpflanzen Norwegens, p. 140. (Fluck. & Hanb. Pharmacographia, 1 ed., p. 565; ibid., 2 ed., p. 625.)

(The original was not available).

(Committee) 1873.

Report of the Committee on the Drug Market.

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

Market report including Juniper Berries.

Kingzett, C.T. 1874.

Is ozone a concoinitant of the oxidation of essential oils?

Jour. Chem. Soc., s. 2, v. 12, p. 511. (Am. Journ. Pharm., 46, p. 81).

The absorbtion of oxygen by various oils, including oil of juniper, is discussed.

Boeck, C. 1875.

Ueber Wachholderräucherungen in der Hauttherapie.

Vierteljahesschrift fur Dermatologie und Syphilis, 7, p. 463. (Eclec. Med. Jour., 37, p. 84; Lond. Med. Rec., __; New Rem., 5, p. 215; ibid., 5, p. 300.)

Describes and discusses the use of fumes from burning juniper needles in the treatment of skin diseases.

(Committee) 1876.

Report on Adulteration and Sophistications.

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

An instance of adulteration of oil of juniper from Holland with 80% of alcohol was reported.

Stille, A. & Maisch, J.M. 1879.

Juniperus.

National Dispens., 2 ed., p. 796; ibid., 3 ed., p. 850.

Give synonyms, titles in 3 languages, definition, references, classification, origin, description, constituents, medical action and use, and preparation of the infusion.

Stille, A. & Maisch, J.M. 1879.

Oleum Juniperi.

National Dispens., 2 ed., p. 995; ibid., 3 ed., p. 1062.

Give synonym, title in 2 languages, preparation, properties, composition, adulteration, medical action and uses, dose and 2 official preparations.

Flueckiger, F.A. & Hanbury, D. 1879.

Fructus Juniperi.

Pharmacographia, 1 ed., p. 565; ibid., 2 ed., p. 624; (Bent. & Trim. Med. Pl., p. 255.)

Gives titles in three languages, history, botanical origin, description of plant and fruit, microscopic structure, chemical composition, commercial source and use.

1879.

Pharm. Zeit., 24, p. 482. (Am. Jour. Pharm., 51, p. 489; Proc. Am. Pharm. Assoc., 28, p. 52.)

(The original was not available).

Bentley, R. & Trimen, H. 1880.

Juniperus communis.

Med. Plants, v. 4, p. 255. (King's Am. Dispens., 18 ed., v. 2, p. 1091; (Nat. Dispens., Stille & Maisch 2 ed., p. 796); ibid., 3 ed., p. 850; ibid., 5 ed., p. 906).

Gives classification, description, habitat, properties, medicinal use and a colored illustration.

Kocher, __. (1881).

Deutsch. Med. Zeit., ____ (Chicago Med. Rev., ____; Am. Jour. Pharm., 54, p. 87; New Rem., 10, p. 270; U.S. Dispens. 17 ed., p. 940).

(The original was not available).

Dudley, W.L. 1881.

Chemical Examination of Volatile Oils.

Pharmacist, 14, p. 170. (Drugg. Circ., 25, p. 114.)

A description of various volatile oils and tests including oil of juniper.

Holmes, E.M. 1884.

Medicinal Plants Used by the Cree Indians.

Am. Jour. Pharm., 56, p. 618. (Proc. Am. Pharm. Assoc., 33, p. 101.)

The inner bark (as pulp) was used in a poultice for wounds by the Cree Indians of N. Am. and has astringent and antiseptic action.

Oldberg, O. & Wall, O.A. 1884.

Juniperi Oleum.

Compon. to U.S.P., p. 626.

Gives Latin and English titles, description, medicinal use and dose.

Johnson, L. 1884.

Juniperus-Juniper.

Med. Bot., p. 261.

Gives classification, description, habitat and an illustration, constituents, preparations, properties and uses.

Oldberg, O. & Wall, O.A. 1884.

Juniper.

Comp. to U.S.P., p. 624.

Gives titles in six languages, origin, habitat, part used, constituents, and use.

(Editors) 1887.

Juniperus.

Pharm. Rec., 7, p. 391.

Under the heading "Epitome of organic materia medica" the editors take up drugs systematically and a short discussion and description of juniper oil and berries is given, with an approximate analysis, use and properties.

Flueckiger, F.A. 1888.

Wacholderbeeöl-Oleum Juniperi.

Pharm. Chem., 2 ed., v. 2, p. 402. (U.S. Dispens., 17 ed., p. 940; ibid., 19 ed., p. 849; ibid., 20 ed., p. 766.)

Gives a complete discussion of the properties of oil of juniper.

Parke, Davis & Co. 1890.

Juniper Berries.

Epitome of Mat. Med., p. 63.

Gives properties and dose of the extracts.

Schimmel & Co. 1891.

Juniper Oil.

Rept., Ap. 1891, p. 38. (Pharm. Rec., 12, p. 424).

Indicate that the Italian berries yield oil of the finest flavor.

Waage, T. 1893.

Ueber neurendings beobachtete Verunreinigungen Ver. wechselungen, Verfälschungen und minderwertige Sorten von Drogen.

Berichte d. Deutschen Pharm. Gesell., 3, p. 153. (Bull. Pharm., 8, p. 62.)

Says 30,000 pounds of extracted juniper berries were offered at Leipsic and partly sold, ostensibly to be ground into pepper-powder.

Stille, A., Maisch, J.M., Caspari, C. & Maisch, H.C.C. 1894.

Juniperus.

National Dispens., 5 ed., p. 906.

Gives synonyms, titles in 3 languages, definition, classification, origin, description of plant and fruit, constituents, several preparations, action and use.

Stille, A., Maisch, J.M., Caspari, C. Maisch, H.C. 1894.

Oleum Juniperi.

National Dispens., 5 ed., p. 1127.

Gives synonyms, titles in 3 languages, definition, classification, preparation, properties, composition, adulterants, action and uses and dose.

Wood, H.C., Remington, J.P. & Sadtler, S.P. 1894.

Oleum Juniperi.

U.S. Dispens., 17 ed., p. 940.

Gives definition, synonyms, description, properties, constituents, method of adulteration, medicinal action, uses and dose.

(Committee) 1894.

Adulteration of Drugs in New York State.

Proc. N.Y. Pharm. Assoc., 16, p. 106. (Bull. Pharm., 8, p. 322.)

Some examples of Juniper Oil are reported from Ohio to contain as much as 55% turpentine.

Helbing, H. & Passmore, F.W. 1895.

Essential Oils.

Bull. Pharm., 9, p. 259.

States that oil of Juniper varies more physically than any other U.S.P. essential oil and tells of some cases in which Juniper Oil increased in specific gravity over a three month period. The oil starts to distill at 155° C. and continues above 275°.

(Editors) 1897.

Wachholdertheer-Collodium.

Pharm. Centralh., 38, p. 423. (Proc. Am. Pharm. Assoc., 46, p. 663.)

The use of Juniper tar and acetone-collodion in psoriasis is discussed.

Schimmel & Co. 1898.

Juniper Oil.

Berichte, 1898, p. 50. (West. Drugg., 21, p. 29.)

Characterized the statement that oil of juniper is derived from the full grown unripe berries as erroneous and antiquated. Only the fully matured berries are employed.

Schimmel & Co. 1898.

Juniper-berry Oil.

Semi-Ann. Rept., Oct., 1898, p. 30. (Pharm. Rev., 21, p. 366.)

Report that ripe fruit yields better oil.

Nestler, A. 1899.

Ueber das Vorkommen von Pilzen in Wachholderbeeren.

Ber. Deutsch. Bot. Gesell., 17, p. 320. (Pharm. Jour., 64, p. 495; Bull. Pharm., 14, p. 390; Drugg. Circ., 44, p. 219.)

Says the color of the berries is due to the presence of a fungus in a lengthy discussion.

Charabot, E., Dupont, J., & Pillet, L. 1899.

Essence de Genievre.

Les Suiles essentielles, p. 919. (Pharm. Rev., 21, p. 367).

Gives a complete discussion of the chemistry of oil of juniper.

Parry, E.J. 1899.

Juniper-Wood Oil.

Chem. & Drugg., 54, p. 690. (Proc. Am. Pharm. Assoc., 47, p. 661.)

Comments on the uses and misuse of the term "Juniper-wood oil" and tells how some manufacturers prepare this oil from oil of juniper.

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

Oleum Juniperi U.S.P.

King's Am. Dispens., 18 ed., v. 2, p. 1361.

Gives definition, instructions for preservation, synonyms, preparation, description, constituents, action, use, and dose.

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

Juniperus.

King's Am. Dispens., 18 ed., v. 2, p. 1091.

Give classification, synonyms, botanical source, history, description, composition, action, use and dose.

Peacock, C. 1900.

Some of the Unpublished Results of the Investigation of the Tannins by the Late Professor Henry Trimble.

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

Percentage of ash in Juniper bark and composition of the ash are given.

Schimmel & Co. 1903.

Oil of Juniper Berries.

Semi-Ann. Rept. Oct., 1903, p. 69; (Pharm. Rev., 25, p. 366.)

The solubility of oil of juniper is discussed.

Wilbert, M.I. 1903.

Some Notes on Essential Oils.

Am. Jour. Pharm., 75, p. 162.

Comment on products of northern and southern countries with price forecast, including oil of Juniper.

Kremers, E. 1903.

The Proposed Volatile Oils of the U.S.P. 1900.

Pharm. Rev., 21, p. 366.

Gives a detailed summary and discussion of the description and properties of Oil of Juniper.

Schimmel & Co. 1904.

Oil of Juniper Berries.

Semi-Ann. Rept., Oct. 1904, p. 50. (Proc. Am. Pharm. Assoc., 53, p. 703; Pharm. Rev., 23, p. 340.)

Report on a Russian Oil of Juniper apparently genuine, which was dextro-rotatory.

(Editors) 1905.

The United States Pharmacopoeia.

Chem. & Drugg., 67, p. 58.

A rather complete review of the new U.S.P. is given including comment on the standards for Oil of Juniper.

"Correspondent" 1905.

Scotch News.

Chem. & Drugg., 67, p. 606.

Reports that a kind of beer made from boiled juniper berries prevented scurvy on an ice-bound ship.

Umney, J.C., & Bennett, C.T. 1905.

The Essential Oils of the United States Pharmacopoeia.

Chem. & Drugg., 67, p. 211.

Among comments on the above essential oils, they state that the solubility requirement for oil of juniper is too stringent.

Stroeker, A. 1905.

Ueber Ongarische Oleum Juniper.

Pharm. Post, 38, p. 236. (Am. Drugg. & Pharm. Rec., 47, p. 295; Pharm. Rec., 24, p. 347.)

Says Hungarian oil of juniper (from by-product of Juniper Brandy) is as valuable as the other oil of juniper.

Francis, J.M. 1906.

The New Pharmacopoeia.

Bull. Pharm., 20, p. 140.

Oil of Juniper varies so much that specifications and tests must be loose and so cannot protect the purchaser.

Hansen, R.E. & Babcock, E.N. 1906.

Notes on Some of the Conifer Oils.

Jour. Am. Chem. Soc., 28, p. 1198. (Proc. Am. Pharm. Assoc., 55, p. 878; Am. Jour. Pharm., 79, p. 538).

A report on oil of Juniper needles, is included in a discussion of yield and specific gravity of conifer oils.

Schimmel & Co. 1906.

Oil of Juniper Berries.

Semi-Ann. Rept. April, 1906, p. 79. (Pharm. Rev., 24, p. 347.)

A slow diminishing of the solubility of oil of Juniper is mentioned.

Schimmel & Co. 1907.

Oil of Juniper needles.

Semi-Ann. Rept., April, 1907, p. 60. (Proc. Am. Pharm. Assoc., 55, p. 878).

A report on oil from berries and needles from Russia which is similar to oil of juniper berries but is dextrorotatory.

(Editors) 1907.

Legal Reports.

Chem. & Drugg., 71, p. 44.

A report of a trial of a druggist for selling adulterated oil of Juniper, which, however, met the requirements of the British Pharmacopoeia.

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

What is oil of Juniper?

Yrbk. Br. Pharm. Conf., 15, p. 373. (Chem. & Drugg., 71, p. 172; Br. & Col. Drugg., 52, p. 81; Proc. Am. Pharm. Assoc., 56, p. 326; Am. Jour. Pharm., 79, p. 420.)

A comparison and discussion of the physical properties of Hungarian and British Oils of Juniper.

Wood, H.C., Remington, J.P., & Sadtler, S.P. 1907.

Juniperus.

Dispens. of U.S.A., 19 ed., p. 1536.

Gives titles in 6 languages, description of the tree and parts, detailed description of fruit and its constituents, medicinal properties and uses and mentions use in infusion, fluidextract, and as the oil.

Wood, H.C., Remington, S.P., & Sadtler, S.P. 1907.

Oleum Juniperi.

Dispens. of U.S.A., 19 ed., p. 849.

Gives definition, preservation, titles in 4 languages, method of preparation, description, constituents, method of adulteration, medicinal properties and uses, dose and official preparations.

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1907.

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(Oil of Juniper)

Analytical Notes, 1907, p. 29. (Chem. & Drugg., 72, p. 276).

(The original was not available).

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"Xrayser" 1907.

Observations and Reflections.

Chem. & Drugg., 59, p. 87.

Comments on the origin of the name for juniper berries.

—

Bird, F.C.J. 1907.

Note on Juniper Oil.

Yrbk. Br. Pharm. Conference, 44, p. 376; (Chem. & Drugg., 71, p. 173; Br. & Col. Drugg., 52, p. 81; Proc. Am. Pharm. Assoc., 56, p. 326.)

A discussion of the physical properties of oils of juniper from different sources.

—

"Xrayser" 1907.

Observations and Reflections.

Chem. & Drugg., 71, p. 129.

Communications read into the proceedings of the British Pharmaceutical Conference evokes a comment on the need for higher requirements for oil of juniper in the British Pharmacopoeia.

—

(Editors) 1907.

Oil of Juniper.

Chem. & Drugg., 71, p. 340.

A discussion of the controversy over standards for oil of Juniper.

Brandel, I.W. 1907.

The Volatile Oils: 1901 to 1903.

Pharm. Rev., 25,p. 366.

Some requirements of Oil of Juniper Berries in the German Pharmacopoeia (4th ed.) and the supplement to the Dutch Pharmacopoeia are given.

Parry, E.J. 1908.

Juniper Berry Oil.

The Chem. of Essential Oils, 2 ed., p. 155. (Pharm. Rev., 21, p. 367.)

Gives a complete discussion of the oil of juniper berries, including habitat, physical and therapeutic properties, use and constituents.

(Editors) 1908.

The Government Laboratory.

Chem. & Drugg., 73, p. 134.

In reporting examinations of drugs mention is made of an alleged adulterated oil of juniper which proved to be pure.

Schimmel & Co. 1909.

Juniper Oil.

Semi.Ann. Rept., Oct. 1909, p. 71. (Proc. Am. Pharm. Assoc., 58, p. 307.)

Report on the constituents and physical constants of oil of Juniper berries.

(Editors) 1909.

Scientific Progress.

Chem. & Drugg., 75, p. 901.

Give a brief note on the constituents of oil of Juniper.

Umney, J.C. 1909.

Suggested International Standards for Drugs, etc.

Chem. & Drugg., 75, p. 580.

Suggests slight changes in the standards of oil of juniper among numerous others.

Schimmel & Co. 1910.

Juniper Berry Oil.

Semi-Ann. Rept., Oct. 1910, p. 72. (Proc. Am. Pharm. Assoc., 59, p. 381.)

Report further investigation of the constituents of juniper berry oil.

(Editors) 1910.

The Essential Oils.

Chem. & Drugg., 77, p. 51.

Gives a chart of the physical properties of the essential oils including oil of juniper as obtained from several sources.

Harvey, T.F., & Wilkie, J.M. 1910.

Ol. Juniperi.

Chem. & Drugg., 76, p. 421.

Suggest changes in the standards for oil of juniper.

E. Sachsse & Co. 1910.

Oleum Juniperi.

Chem. & Drugg., 77, p. 553.

Claim that the standards for oil of juniper should not be changed.

Stafford Allen & Sons Ltd. 1910.

Oleum Juniperi.

Chem. & Drugg., 76, p. 373.

Comment on the standards of the British Pharmacopoeia for Oil of Juniper.

Noumann, W. 1910.

Juniper Berry Oil.

Chem. & Drugg., 76, p. 341.

Comment on the specific gravity of adulterated Hungarian oil of juniper.

(Editors) 1910.

Essential Oils of the British Pharmacopoeia.

Chem. & Drugg., 76, p. 399.

In a large chart of properties of the oils as given by various authors, data on oil of juniper is included.

(Editors) 1910.

B.P. Essential Oils.

Chem. & Drugg., 76, p. 63.

Suggest changes in the standards of the British Pharmacopoeia for oil of juniper.

Parry, E.J. 1911.

The Essential Oils of the British Pharmacopoeia.

Chem. & Drugg., 79, p. 52.

Includes a criticism of the standards for oil of juniper and suggests a test for purity in a sharply written analysis of some items in the British Pharmacopoeia Committee folios.

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

Juniper Oil.

Chem. & Drugg., 79, p. 62.

Indicate that the purity of oil of juniper may be determined from the high boiling fractions.

Schimmel & Co. 1912.

Cyprian Juniper Berry Oil.

Semi-Ann. Rept., Oct. 1912, p. 68. (Yrbk. Am. Pharm. Assoc., 1, p. 333.)

Describes a sample of juniper oil distilled in Cyprus which was dextro rotatory, and explain that it probably contained oil of juniper needles.

Gildemeister, E., Hoffman, F. & Kremers, E. 1913.

Juniper Oil.

The Volatile Oils, 2 ed., v. 2, p. 159. (Pharm. Rev., 25, p. 366.)

Gives habitat, yield, use, properties, and composition.

Gildemeister, E., Hoffman, F. & Kremers, E. 1913.

Oil of Juniper Berries.

The Volatile Oils, 2 ed., v. 1, p. 99. (Pharm. Rev., 21, p. 366.)

Gives history of the oil.

(_____) 1913.

English and Welsh News.

Chem. & Drugg., 83, p. 203.

Gives a report of some adulterated oil of Juniper in Surrey County, England.

(_____) 1913.

Legal Reports.

Chem. & Drugg., 83, p. 522.

Report an alleged adulteration of oil of juniper which proved to be merely a case of deterioration caused by age; at Pocklington, Yorks, England.

U.S.P. Rev. Convention. 1914.

Abstract of Proposed Changes in the U.S.P. IX.

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

Added tests for oil of juniper are included in the proposed changes in the U.S.P.

(Committee) 1914.

Report of Committee on Unofficial Standards.

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

A detailed description of Juniper Berries is given, among other monographs.

(Editors) 1914.

Minor Botany.

Chem. & Drugg., 84, p. 34.

Gives a sketch and description of Juniperus Communis.

Noyes, C.R. 1915.

Specifications in Buying Drugs.

West. Drugg., 37, p. 132.

A comment on the adulteration of oil of Juniper with turpentine is included in his comments on inferior drugs.

Cavel, L. 1918.

Sur la valeur antiseptique de quelques huiles essentielles.

Comptes rendu., 166, p. 827. (Int. Rev. Sci. Prae. Agr., 10, p. 1151; Analyst, 44, p. 101; Am. Jour. Pharm., 91, p. 315.)

Gives a discussion of the antiseptic value of several oils, including oil of juniper.

Remington, J.P. & Wood, H.C. Jr. 1918.

Oleum Juniperi.

U.S. Dispens., 20 ed., p. 766.

Give synonyms, definition, preservation titles in 4 languages, description, properties, constituents, use, dose and 3 official preparations.

Remington, J.P. & Wood, H.C. Jr. 1918.

Juniper Berries.

U.S. Dispens., 20 ed., p. 1449.

Gives synonyms, titles in 4 languages, definitions, preservations, description of plant, habitat, description and uses of parts, detailed description of fruit, constituents, medical properties, preparation of infusion, and dose of the fluid extract.

Power, F.B. 1919.

The Odorous Principles of Plants.

Chem. & Drugg., 91, p. 60.

Mentions oil of juniper, its constituents and uses in discussing products of coniferous plants.

—

Auyer, R.G. 1921.

The Cultivation of Medicinal Plants in Scotland. Past and Future.

Chem. & Drugg., 94, p. 95.

Mentions the juniper bush as a good windscreen.

—

Massera, V. 1922.

———————

Riv. Ital. ess. profumi, 4, p. 23. (Jour. Chem. Soc. Lond., 122, pt.1, p. 945; Yrbk. Am. Pharm. Assoc., 11, p. 312.)

(The original was not available).

—

(Editor) 1923.

Pharmaceutical Botany.

Chem. & Drugg., 99, p. 220.

Gives a botanical description of the plant and berries of Juniperus communis with several drawings.

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1924.

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(Oil of Juniperus Communis)

Indian Forest Records, 12, p. __. (Chem. & Drugg., 102, p. 457.)

(The original was not available).

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Am. Jour. Pharm., 1825-1925.

Apothecary, 1891-1910.

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Chem. & Drugg., 1859-1926

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Eclec. Med. Jour., 1854-1925

Jour. Am. Pharm. Assoc., 1912-1926

Jour. Mat. Med., 1859-1882

Midland Drugg. & Pharm. Rev. 1899-1926

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New Rem., 1876-1883

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Pharm. Rev., 1896-1908.

Pharm. Runds., 1883-1895

Proc. Am. Pharm. Assoc., 1851-1912

West. Drugg., 1880-1925

Yrbk. Am. Pharm. Assoc., 1912-1923

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Barton, B.S. Collect. for Essay toward Mat. Med. 1798

Barton, W.P.C. Compend. Flora Phila. 1818

Bauhini, C. Pinacis Theatri Bot. 1671

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Bigelow, J. Am. Med. Bot. 5 v. 1818

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Brown, O.P. Complete Herbalist 1870

Chapman, A.W. Flora of Southern States 1860

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Coxe, J.R. Am. Dispens., 1 ed. 1806

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Cutler, M. Account of Veg. Prod. 1785

Elliot, S. Bot. of S. Car. & Georgia 2 v. 1821

Ewell, J. Med. Companion 3 ed. 1817

Felter, H.W. & Lloyd, J.U. King's Am. Dispens. 18 ed. 2 v. 1900

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Forster, J.R. Flora Am. Septen. 1771

Gildemeister, E., Hoffman, F. & Kremers, E. The Volatile Oils, 2 ed. 3 v. 1913

Griffith, R.E. Med. Bot. 1847

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Henry, S. Am. Med. Fam. Herbal 1814

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King, J. Am. Dispens. 8 ed. 1872

King, J. Am. Dispens. 10 ed. 1875

Lee, C.A. Med. Plants of N.Y. 1848

Linne, C. Species Plantarum 1 ed. 2 v. 1753

Linne, C. Mat. Med. 1772 1772

Lloyd, J.U. & C.G. Drugs & Med. of N. Am. 2 v. 1884

Mattson, M. Am. Veg. Practice 2 v. 1841

Michaux, A. Flora Boreali-Am. 2 v. 1803

Millspaugh, C.F. Med. Plants of U.S. 2 v. 1892

Murray, J.A. & Beck, J.B. Mat. Med. 1828

Nuttall, T. Genera of N. Am. Plants 1817

Oldberg & Wall Companion to U.S.P. 1884

Parke, Davis & Co. Epitome of Mat. Med. 1890

Parry, E.S. Chem. of Essential Oils 2 ed. 1908

Pursh, F. Flora Am. Septen. 1816

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Smith, J.E. English Flora 1843

Smith, P. 2nd Doctor's Dispens. (Lloyd's Reprod.) 1812

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Thacher, J. Am. New Dispens. 4 ed. 1821

Torrey, J. Flora of N.Y. 2 v. 1843

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UNITED STATES PHARMACOPOEIA

(1820 - 1920)

and

NATIONAL FORMULARY

(1888 - 1926)

History

of

Juniperus

and

Oleum Juniperi

U.S.P. 1820, P. p. 39.

Juniperus. Juniperus communis. W.IV, 855.

Juniper. BW. III. 45.

Baceae. The berries.

U.S.P. 1830 (N.Y.), p. 41.

Juniperi Baccae et Cacus. Juniperis Communis

Juniper Berries and tops

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

Med. Oper. Diuretic,carminative, diaphuretic

Dose Di. to Zss.

U.S.P. 1830(Phila.) P. p. 14.

Juniperus. Juniperus communis W. iv.

Juniper 853. Bw. iii. 43

Baccae. The Berries.

U.S.P. 1840, P. p. 24.

Juniperus. Juniper.

The fruit of Juniperus communis.

U.S.P. 1850, P. p. 28.

Juniperus. Juniper.

The fruit of Juniperus communis.

U.S.P. 1860, P. p. 33.

Juniperus. Juniper.

The fruit of Juniperus communis.

U.S.P. 1870, P. p. 34.

Juniperus. Juniper.

The fruit of Juniperus communis.

U.S.P. 1880, P. 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 the apex, internally/ pulpy, greenish brown, containing three ovate, somewhat trangular, bony seeds,/ with several large oil-glands on the surface; odor aromatic; taste sweet, terebin-/ thinate, bitterish and slightly acrid.

N.F. 1916, 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.

N.F. 1926, p. 347.

Juniperus

Juniper Berry

Junip.

Juniper Berry is the carefully dried ripe fruit of Juniperus communis/Linne (Fam. Pinaceae)/.

Juniper Berry contains not more than 10 per cent of immature or/ discolored berries and not more than 3 per cent of foreign organic matter.

U.S.P. 1820, p. 171.

Oleum Juniperi	Oil of Juniper
A Junipero	From Juniper

(Prepared according to general method given on p. 169).

U.S.P. 1830, (N.Y.) p. 119.

(General method for preparation of distilled oils p.118)

Hoc modo paronda sunt	According to the above method are prepared,
Oleum Juniperi	Oil of Juniper
A Junipero	From Juniper

U.S.P. 1830, (Phila.) p. 155.

(General method for distilled oils, p. 155).

Hoc modo praeparentur	In this manner prepare
Oleum Juniperi	Oil of Juniper
Ex Junipero;	From Juniper;

U.S.P. 1840, p. 148.

Oleum Juniperi,

Oil of Juniper

From Juniper:

(According to general method for distilled oils given on p. 147.)

U.S.P. 1850, p. 179.

Oleum Juniperi,

Oil of Juniper

From Juniper:

(According to general method for distilled oils given on p. 177.)

U.S.P. 1860, p. 245.

Oleum Juniperi

Oil of Juniper

Prepare this Oil from Juniper, bruised by the general formula given at page 242.

U.S.P. 1870, p. 235.

Oleum Juniperi

Oil of Juniper

Prepare this Oil from Juniper, bruised by the general formula given at page 233.

U.S.P. 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 terebinthinate 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.

U.S.P. 1890, p. 279.

Oleum Juniperi

Oil of Juniper

A volatile oil distilled from the fruit of Juniperus communis Linne/ (nat. 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 the characteristic odor of juniper, and a/ warm, aromatic, somewhat terebinthinate and bitterish taste./

Specific gravity = 0.850 to 0.890 at 15°C. (59°F.)

Soluble in about 4 times its volume of alcohol, forming a somewhat turbid/ liquid, which is neutral or slightly acid to litmus paper. Also equal volume of carbon disulphide./

Preparations: Spiritus Juniperi. Spiritus Juniperi Compositus.

U.S.P. 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, 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 10 volumes of 90 percent. alcohol.

Average dose - 0.2 Cc. (3 minum.)

U.S.P. 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 Juniperis 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 fruit.

It is soluble in 4 volumes of alcohol with not more than a slight cloudiness.

Specific gravity: 0.854 to 0.879 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).

Preparations - Spiritus Juniperi Spiritus Juniperi Compositus.

Average Dose - Metric, 0.2 mil. - Apothecaries, 3 minims.

U.S.P. 1920, p. 259.

Oleum Juniperi

Oil of Juniper

Ol. Junip. - Juniper Oil

The volatile oil distilled from the dried ripe fruit of Juniperus communis Linne (Fam. Pinaceae).

Description and Physical Properties - A colorless or faintly green or yellow liquid, having the characteristic odor and taste of juniper berries.

Tests for Identity and Purity - The Oil is soluble in 4 volumes of alcohol with not more than a slight cloudiness.

Specific Gravity: 0.854 to 0.879 at 25° C.

Optical Rotation: varies from 0° to -15° in a 100 mm. tube at 25° C., page 447.

Refractive Index: 1.4790 to 1.4840 at 20° C., page 456.

A solution of the recently distilled Oil in alcohol (1 in 4) is neutral or only slightly acid to moistened litmus paper.

The Oil meets the requirements of the test for heavy metals in volatile oils, page 439.

Preserve in well stoppered, completely filled, amber-colored bottles, in a cool place, protected from light.

Average Dose - Metric, 0.1 cc. - Apothecaries, 1½ minims.

Summary of Data of U.S.P. 1820-1920 & N.F. 1888-1926.

Juniperus

Official in U.S.P. 1820, '30, '30 (N.Y.), '40, '50, '60, '70
N.F. 1916, '26.

Official Latin Title

Juniperus U.S.P. 1920, '30, '40, '50, '60, '70,
N.F. 1916, '26.

Juniperi Baccae et Cacumina U.S.P. '30 N.Y.

Official English Title.

Juniper 1820, '30, '40, '50, '60, '70

Juniper Berries and Tops 1830, N.Y.

Juniper Berries N.F. 1916

Juniper Berry N.F. 1926

Official Abbreviation

Junip. N.F. 1916, '26

Official synonym.

Scientific name.

Juniperus communis U.S.P. 1820, '30 N.Y., '30 Phila.
'40, '50, '60, '70. N.F. 1916, '26.

Family

Pinaceae N.F. 1916, '26

Coniferae U.S.P. 1880

Part used

The berries U.S.P. 1820, '30 (Phila.)

Berries and tops U.S.P. 1830 N.Y.

Fruit 1840, '50, '60, '70, N.F. 1916, '26.

Description

Odour, strong, aromatic; taste, warm, pungent, sweetish with a slight degree of bitterness; medicinal qualities yielded to alcohol and water. U.S.P. 1830 N.Y.

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 ovate, somewhat triangular, bony seeds, with several large oil glands on the surface; odor aromatic; taste sweet, terebinthinate, bitterish and slightly acrid. U.S.P. 1880. Carefully dried ripe fruit N.F. 1916, '26.

Dose.

i to ss. U.S.P. N.Y.

Official preparations.

Properties

Odour, strong, aromatic, taste, warm, pungent, sweetish with a slight degree of bitterness. U.S.P. '30 N.Y.

Med. Operation

Diuretic, carminative, diaphoretic. U.S.P. 1830, N.Y.

Summary of Data of U.S.P. 1820-1920 and N.F. 1888-1926.

Oleum Juniperi.

Official in

U.S.P. 1820, '30 (Phila.), '30 (N.Y.), '40, '50, '60, '70, '80, '90, 1900, '10, '20.

Official Latin Title

Oleum Juniperi 1820, '30 (Phila.), '30 (N.Y.), '40, '50, '60, '70, '80, '90, 1900, '10, '20.

Official English Title

Oil of Juniper 1820, '30 (Phila.), '30 (N.Y.), '40, '50, '60, '70, '80, '90, 1900, '10, '20.

Official Abbreviation

Ol. Junip. U.S.P. 1910, '20.

Official Synonym

Juniper Oil U.S.P. 1910, '20

Oil of Juniper Berries U.S.P. 1910

Scientific Name

Juniperus communis U.S.P. 1890, 1900, '10, '20.

Family.

Coniferae U.S.P. 1890, 1900

Pinaceae U.S.P. 1910, '20.

Part Used

A volatile oil distilled from Juniper U.S.P. 1880.

A volatile oil distilled from the fruit of Juniperus communis U.S.P. 1890, 1900.

A volatile oil distilled from the ripe fruit of Juni-

perus communis U.S.P. 1910.

A volatile oil distilled from the dried ripe fruit of Juniperus communis U.S.P. 1920.

Description.

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, aromatic, somewhat terebinthinate 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. U.S.P. 1880.

A colorless or faintly greenish-yellow liquid, becoming darker and thicker by age and exposure to air; having the characteristic odor of juniper and a warm, aromatic, somewhat terebinthinate and bitterish taste. Specific gravity 0.850 to 0.890 at 15°C. (59°F.). Soluble in about 4 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. U.S.P. 1890.

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 10 volumes of 90 percent alcohol. U.S.P. 1900.

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

juniper fruit. It is soluble in 4 volumes of alcohol with not more than a slight cloudiness. Specific gravity: 0.854 to 0.879 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.) U.S.P. 1910.

A colorless or faintly green or yellow liquid, having the characteristic odor and taste of juniper berries. The oil is soluble in 4 volumes of alcohol, with not more than a slight cloudiness. Specific Gravity: 0.854 to 0.879 at 25°C. Optical rotation: varies from 0° to -15° in 100 mm. tube at 25°C., page 447. Refractive index: 1.479 to 1.484 at 20°C., page 456. A solution of the recently distilled oil in alcohol (1 in 4) is neutral or only slightly acid to moistened litmus paper. The oil meets the requirements of the test for heavy metals in volatile oils page 439. U.S.P. 1920.

Dose

0.2 cc. (3 minims) U.S.P. 1900, '10.

.1 cc. (1½ minims) U.S.P. 1920.

Official Preparation

Spiritus Juniperi U.S.P. 1880, '90, '10

Spiritus Juniperi Compositus U.S.P. 1880, '90.

Properties

Med. Operation

Approved by W.O. Richtmann

Assoc. Prof. of Pharmacogn