



EUROPEAN MEDICINES AGENCY
SCIENCE MEDICINES HEALTH

28 January 2014
EMA/HMPC/44210/2012
Committee on Herbal Medicinal Products (HMPC)

List of references supporting the assessment of *Rubus idaeus* L., folium

Final

The Agency acknowledges that copies of the underlying works used to produce this monograph were provided for research only with exclusion of any commercial purpose.

Bamford DS, Percival RC, Tothill AU. Raspberry leaf tea: a new aspect to an old problem. *Br J Pharmacol* 1970, 161-162

Barnes J, Anderson LA, Phillipson JD. Raspberry. Herbal Medicines. 2nd ed. The Pharmaceutical Press, London 2002, 397-398

Barnes J, Anderson LA, Phillipson JD. Raspberry. Herbal Medicines. 3th ed. The Pharmaceutical Press, London 2007, 495-497

Beckett AH, Belthle FW, Fell KR. The active constituents of raspberry leaves. A preliminary investigation. *J Pharm Pharmacol* 1954, 6:785-796

Belew C. Herbs and the childbearing woman. Guidelines for midwives. *J Nurse Midwifery* 1999, 44:231-252

Bisset NG, Wichtl M. *Rubus idaeus* folium. Herbal Drugs and Phytopharmaceuticals. A Handbook for Practice on a Scientific Basis With Reference to German Commission E Monographs. 2nd ed. Medpharm, Stuttgart 2001, 434-436

Blumenthal M, Busse WR, Goldberg A, Gruenwald J. The Complete German Commission E Monographs. American Botanical Council, Austin, Texas 1998

Blumenthal M, Goldberg A, Brinckmann J. Herbal medicine Expanded Commission E Monographs. American Botanical Council, Austin 2000, 389-393

Bradley P. Raspberry Leaf. British Herbal Compendium. A handbook of scientific information on widely used plant drugs. British Herbal Medicine Association, Bournemouth 2006, 328-331

British Herbal Pharmacopoeia. Consolidated ed. *Rubus*. British Herbal Medicine Association, Bournemouth 1983, 181-182



British Herbal Pharmacopoeia. 4th ed. Raspberry leaf. British Herbal Medicine Association, Exeter 1996, 159-160

British Pharmaceutical Codex. Pharmaceutical Press, London, 1949, 772-773

Burn JH, Withell ER. A principle in raspberry leaves which relaxes uterine muscle. *Lancet* 1941, 103

Byrne MJ, Semple SJ, Coulthard KP. Complementary medicine use during pregnancy. Interviews with 48 women in a hospital antenatal ward. *Australian Pharmacist* 2002, 21:954-959

Chevallier A. Raspberry. In: The Encyclopedia of Medicinal Plants. Stuttgart 1996, 262

Czygan FC. Die Himbeere - *Rubus idaeus* L. Portrait einer Arzneipflanze [Raspberry- *Rubus idaeus*. Portrait of a medicinal plant]. *Z Phytotherapie* 1995, 16:366-374 [German]

Duke JA, Bogenschutz-Godwin MJ, duCellier J, Duke PA K. Handbook of Medicinal Herbs. 2nd ed. CRC Press, Boca Raton 2002, 609-610

Durgo K, Belščak-Cvitanović A, Stančić A, Franekić J, Komes D. The bioactive potential of red raspberry (*Rubus idaeus* L.) leaves in exhibiting cytotoxic and cytoprotective activity on human laryngeal carcinoma and colon adenocarcinoma. *J Med Food* 2012, 15(3):258-268

Ebadi M. Pharmacodynamic basis of herbal medicine. CRC Press, Boca Raton 2002, 44

Graham RCB, Noble RL. Comparison of *in vitro* activity of various species of *Lithospermum* and other plants to inactivate gonadotrophin. *Endocrinology* 1955, 56:239-247

Grieve M. A Modern Herbal. Jonathan Cape, London 1931, 2:671-672

Gruenwald J, Brendler T, Jaenicke C, editors. PDR for Herbal Medicines. Medical Economic Company, Montvale 2000, 630

Gudej J. Kaemferol and quercetin glycosides from *Rubus idaeus* L. leaves. *Acta Polon Pharm* 2003, (60)4:313-316

Gudej J, Tomczyc M. Determination of flavonoids, tannins and ellagic acid in leaves from *Rubus idaeus* L. species. *Arch Pharm Res* 2004, (27)11:1114-1119

Gudej J, Rychilinska I. Zwaizki flawonoidowe lisci maliny wlasciwej (*Rubus idaeus* L.) *Herba Polonica Tom XLII* 1996, 4:257-261 [Polish]

Hall HG, Griffiths DL, McKenna LG. The use of complementary and alternative medicine by pregnant women: a literature review. *Women and Birth* 2011, 27(6):817-824

Henriette's Herbal. The Plants. *Rubi idaei folium*. Available at:
<http://www.henriettesherbal.com/eclectic/kings/rubus-idae.html>

Hepner DL, Harnett M, Segal S, Camann W, Bader A, Tsen L. Herbal medicine use in parturients. *Anesth Analg* 2002, 94:690-693

Holst L, Haavik S, Nordeng H. Raspberry leaf – Should it be recommended to pregnant women? *Complement Ther Clin Pract* 2009, 15:204-208

Johnson T. CRC Ethnobotany Desk Reference. CRC Press, Boca Raton 1999, 722

Johnson JR, Makaji E, BSc, Ho SH, Xiong B, Crankshaw DJ, Holloway AC. Effect of maternal raspberry leaf consumption in rats on pregnancy outcome and the fertility of the female offspring reproductive. *Reprod Sci* 2009, (16) 6:605-609

- Langhammer AJ, Nilsen OG. CYP2D6 inhibition by six herbs commonly used in pregnancy. Winter meeting of the Norwegian Society of Pharmacology and Toxicology, Trondheim 2012
- MHRA. Licenced medicine in the UK since 1968 (information from the UK Medicines and Healthcare products Regulatory Agency)
- Mills E, Dugoua JJ, Perri D, Koren G. Herbal medicines in pregnancy and lactation: an evidence-based approach. Taylor & Francis, Toronto, 2006, 244-247
- McFarlin BL, Gibson MH, O'Rear J, Harman P. A national survey of herbal preparation use by nurse-midwives for labor stimulation. Review of the literature and recommendations for practice. *J Nurse Midwifery* 1999, 44 (3):205-216 [Available: www.babycentre.co.uk]
- Newall CA, Anderson LA, Phillipson JD. Herbal Medicines. A Guide for Health-care Professionals. The Pharmaceutical Press, London 1996, 226
- Nikitina VS, Shendel GV, Gerchikov AY, Efimenko NB. Flavonoids from raspberry and blackberry leaves and their antioxidant activities. *Pharmaceut Chem J* 2000, (34)11:596-598
- Nordeng H, Bayne K, Havnen GC, Paulsen BS. Use of herbal drugs during pregnancy among 600 Norwegian women in relation to concurrent use of conventional drugs and pregnancy outcome. *Complement Ther Clin Pract* 2011, 17(3):147-151
- Parsons M, Simpson M, Ponton T. Raspberry Leaf and its effect on labour: safety and efficacy. *Aust Coll Midwives Inc J* 1999, 12:20-25
- Patel AV, Rojas-Vera J, Dacke CG. Therapeutic constituents and actions of *Rubus* species. *Med Chem* 2004, 11:1501-1512
- Patel AV, Obiyan J, Patel N, Dacke CG. Raspberry leaf extract relaxes intestinal smooth muscle *in vitro*. *J Pharm Pharmacol* 1995, 47:1129
- Pharmacopée française XI édition. Monographie 'Ronce – Rubus' (1991). Journal officiel de la République française du 30 juin 2012 [Available at: http://ansm.sante.fr/var/ansm_site/storage/original/application/ef341a84f5797b6bc3d3455011c96ee6.pdf]
- Reynolds JEF. Martindale. The Extra Pharmacopoeia. 29th ed. The Pharmaceutical Press London 1989, 1609
- Rojas-Vera J, Patel AV, Dacke CG. Relaxant activity of Raspberry (*Rubus idaeus*) leaf extract in guinea pig ileum *in vitro*. *Phytotherap Res* 2002, 16:665-668
- Simpson M, Parsons M, Greenwood J and Kenneth Wade K. Raspberry leaf in pregnancy: Its safety and efficacy in labor. *J Midwifery Women's Health* 2001, 46(2):51-59
- Tiran D. The use of herbs by pregnant and childbearing women: a risk–benefit assessment. *Complementary Therapies in Nursing & Midwifery* 2003 9:176-181
- Tyler VE. The Honest Herbal. Sensible guide to the use of herbal and related remedies. Stickley Company, Philadelphia 1981, 181-182
- Tyler VE, Robbers JE. Tyler's Herbs of choice. The therapeutic use of phytomedicinals. The Haworth Press, New York 1999, 63-64, 194-195
- Tyler VE. Herbs of choice. The therapeutic use of phytomedicinals. Pharmaceutical Products Press, New York 1994, 52, 139-142

Wang SY, Lin HSH. Antioxidant activity in fruits and leaves of blackberry, raspberry and strawberry with cultivar and developmental stage. *J Agric Food Chem* 2000, 48:140-146

Wedig KE, Whitsett JA. Down the primrose path: petechiae in a neonate exposed to herbal remedy for parturition. *J Pediatr* 2008, 152(1): 140

Wichtl M. *Rubi idaei folium*. In: Wichtl ed. Herbal Drugs and Phytopharmaceuticals. A handbook for practice on a scientific basis. Medpharm, Stuttgart 2004, 549-550

Wichtl M. Himbeerblätter. Teedrogen. Ein Handbuch für Apotheker und Ärzte. Wissenschaftliche Verlagsgesellschaft mbH, Stuttgart 1984, 156-157

Whitehouse B. Fragarine: an inhibitor of uterine action. *BMJ* 1941, 370-371

Zheng J, Pistilli MJ, A, Holloway AC, Crankshaw DJ. The effects of commercial preparations of red raspberry leaf on the contractility of the rat's uterus *in vitro*. *Reproductive Sciences* 2010, (17)5: 494-501