

	A	B	C	D
1	Colonne1	Colonne2	Recommanded analysis method	References
2	Acer saccharinum L.	hypoglycins	Hypoglycins A and B GC – MS or LC – MS/MS spectrum (Pubchem). ESI – MS/MS spectra for putative metabolite identification (Hypoglycin B)	Hunger et al. J. of Veterinary Internal Medicine vol. 28 (4) 2014 p 1289 – 1293 open acces PMC 8457957 Allen F. et al. (hypoglycine B)
3	Acorus calamus L.	beta-asarone	GC – FID or GC – MS	J. of essential oil composition of Acorus calamus 2016 issn 1041 – 2905 Wei Ji Fang China J. of Chinese Materia Medicine 1/8/14 vol. 29 p764 – 769
4	Aesculus hippocastanum L.	aescin	spectrofotometriy or HPLC or TLC – densitometry	Preferred method: Ph. Eur. Ed 9 USP 39: spectofotometric methode p6554 – 6558 TLC – densitometry method (inhouse method)
5	Aleurites moluccana (L.) Willd.	phorbol esters eleostearic acid	LC-MS	Phorbol esters: Vogt et al. J Crom A 1999 855, 563 tot 573. Eleostearine: in Aleurites montana: LC-MS method of analysis of the seed lipids: A. Radauz Zeitschrift of Naturforschung 1998 53c (5 and 6) 305 - 310 Lüth et al. Farm acta Helvetica 1984 59(9-10) 242 - 246

	A	B	C	D
6	Aloe africana Mill. Aloe arborescens Mill. Aloe ferox Mill. Aloe perryi Baker Aloe plicatilis (L.) Mill. Aloe vera (L.) Burm. f.	total anthranoids (calculated as barbaloin)	Ph. Eur. Ed 9	Ph. Eur. ED 9
7	Annona muricata L. Annona reticulata L. Annona squamosa L.	acetogenins (acetogenin, annonacine, annonapentacine)	HPLC – UV or HPLC – DLD	P. Champy et al., Quantification in Annona muricata linked to atypical Parkinsonism in Guadeloupe, Movement disorders, 2005, 20(12), 1629-1633 D. Gromek et al., Qualitative and quantitative evaluation of annonaceous acetogenins by HPLC, Phytochem Anal., 1994, 5(3), 133-140 P. Champy et al., MALDI-TOF MS profiling of Annonaceous acetogenins in Annona muricata products for human consumption, Molecules, 2009, 14, 5235-5246
8	Aphanizomenon flos-aquae (L.) Ralfs ex Bornet & Flahault	microcystin and other marine toxins	LC-MS	J. Agricultural Food Chemistry 2015 vol. 63 (4) p10303 – 10312

	A	B	C	D
9	<p>Artemisia abrotanum L. Artemisia absinthium L. Artemisia capillaris Thunb. Artemisia dracunculus L. Artemisia frigida Willd. Artemisia ginipi Weber Ex Stechm. Artemisia glacialis L. Artemisia judaica L. Artemisia pontica L. Artemisia umbelliformis Lam. Artemisia vallesiaca All. Artemisia verlotiorum Lamotte Artemisia vulgaris L.</p>	thujone	GC-MS	<p>Chemistry Central Journal S. G. walch et al. Determination of the biological active flavour substances thujone and camphor in foods and medicines containing sage</p>
10	<p>Artocarpus altilis (Parkinson ex F.A.Zorn) Fosberg</p>	lectin	reverse phase HPLC	<p>M. A. Rahman et al. Biochemical and Biophysical Research communications vol. 295 (4) 2002 p1007 – 1013</p>

	A	B	C	D
11	Asimina triloba (L.) Dunal	acetogenins (acetogenin, annonacine, annonapentacine)	HPLC – UV or HPLC – DLD	P. Champy et al., Quantification in Annona muricata linked to atypical Parkinsonism in Guadeloupe, Movement disorders, 2005, 20(12), 1629-1633 D. Gromek et al., Qualitative and quantitative evaluation of annonaceous acetogenins by HPLC, Phytochem Anal., 1994, 5(3), 133-140 P. Champy et al., MALDI-TOF MS profiling of Annonaceous acetogenins in Annona muricata products for human consumption, Molecules, 2009, 14, 5235-5246
12	Berberis aristata D.C. Berberis vulgaris L.	isoquinoline alkaloids (expressed as berberine)	HPLC	USP 39: p6692 – 6695 (for berberine and also hydrastin).
13	Borago officinalis L.	pyrrolizidine alkaloids	SPE-LC-MS/MS	Bundesinstitut für Risikobewertung
14	<i>Borago</i> spp.	pyrrolizidine alkaloids	SPE-LC-MS/MS	Bundesinstitut für Risikobewertung
15	Brassica oleracea L.	goitrin progoitrin	HPLC – DAD (inhouse mthode) or HPLC	Durenkamp & De Kok 2002.
16	Bursera tomentosa (Jacq.) Triana & Planch.	podophyllotoxin and analogues		
17	Camellia sinensis (L.) Kuntze	tannins (expressed in epigallocatechin-3-gallate)	HPLC USP 39 p 6697 referred to in C91 Eur. Ph.	
18	Cananga odorata (Lam.) Hook.f. & Thomson	safrole		

	A	B	C	D
19	Cassia fistula L.	total anthranoids (expressed as sennoside B)	Spectrophotometry (not specific)	<ul style="list-style-type: none"> • Senna leaf, Eur. Ph. valid edition • Senna leaf dry extract standardised, Eur. Ph. valid edition • Senna pods, Alexandrian, Eur. Ph. valid edition • Senna pods, tinnevelly, Eur. Ph. valid edition
20	Ceanothus americanus L.	peptide alkaloids		
21	Centranthus ruber (L.) DC	valepotriates		
22	Ceterach officinarum DC.	ptaquiloside	TLC- densitometry, HPLC, GC-MS, LC-MS	Bonadies et al 2004. Rapid communication in MS 2004 nr 18 p825 - 828.
23	Cetraria islandica (L.)	usnic acid		
24	Chenopodium vulvaria L.	ascaridole		
25	Cibotium barometz (L.) J. Sm.	ptaquiloside	TLC- densitometry, HPLC, GC-MS, LC-MS	Bonadies et al 2004. Rapid communication in MS 2004 nr 18 p825 - 828.
26	Cimicifuga racemosa (L.) Nutt. (= Actaea racemosa L.)	triterpene glycosides (expressed as 27-deoxyactein)	UV spectrophotométry (low specificity)	Black cohosh pharmeuropa 14.2 (april 2002) p353

	A	B	C	D
27	Cinchona calisaya Wedd. Cinchona lancifolia Mutis Cinchona micrantha Ruiz & Pav. Cinchona nitida Ruiz & Pav. Cinchona officinalis L. Cinchona pitayensis (Wedd.) Wedd. Cinchona pubescens Vahl	quinine	HPLC	Eur. Ph.
28	Citrus aurantium L.	meta-synephrin para-synephrine		
29	Cladonia rangiferina (L.) Weber ex F.H. Wigg.	usnic acid		
30	Clematis armandii Franch.	aristolochic acid	LC-MS/MS CZE	Ph. Eur. ED 9 01/2011/20821 (CZE method not in Eur. Ph.)
31	Clematis chinensis Osb. (=Clematis recta L.)	aristolochic acid	LC-MS/MS CZE	Ph. Eur. ED 9 01/2011/20821 (CZE method not in Eur. Ph.)
32	Clematis chinensis Retz.	aristolochic acid	LC-MS/MS CZE	Ph. Eur. ED 9 01/2011/20821 (CZE method not in Eur. Ph.)
33	Clematis hexapetala L. f. (= Clematis hexasepala DC.)	aristolochic acid	LC-MS/MS CZE	Ph. Eur. ED 9 01/2011/20821 (CZE method not in Eur. Ph.)
34	Clematis hexapetala Pall. (= Clematis flammula L.)	aristolochic acid	LC-MS/MS CZE	Ph. Eur. ED 9 01/2011/20821 (CZE method not in Eur. Ph.)
35	Clematis mandschurica Rupr.	aristolochic acid	LC-MS/MS CZE	Ph. Eur. ED 9 01/2011/20821 (CZE method not in Eur. Ph.)
36	Clematis montana Buch.-Ham. ex DC.	aristolochic acid	LC-MS/MS CZE	Ph. Eur. ED 9 01/2011/20821 (CZE method not in Eur. Ph.)
37	Clitoria ternatea L.	aristolochic acid		

	A	B	C	D
38	Coptis japonica (Thunb.) Makino Coptis teeta Wall. Coptis trifolia (L.) Salisb.	isoquinoline alkaloids (expressed as coptisine)		
39	Cotinus coggygria Scop	taquiloside	TLC- densitometry, HPLC, GC-MS, LC-MS	Bonadies et al 2004. Rapid communication in MS 2004 nr 18 p825 - 828.
40	Crataegus azarolus L. Crataegus curvisepala Lindm. Crataegus laevigata (Poiret) DC. Crataegus monogyna Jacq. Crataegus pentagyna Waldst. & Kit.	oligomeric procyanidins flavonoids	* Spectrophotometry according to Eur. Ph. : • Hawthorn leaf and flower: flavonoids expressed as hyperoside • Hawthorn berries: berries contain procyanidins, expressed as cyanidine chloride, and flavonoids <i>Low specificity components, difficult to determine if combined with other plants.</i> * HPLC with LC-UV for leaf and powder, according to USP 39: makes the difference between C-glycosides expressed as vitexine and O-glycosides expressed as hyperoside.	* Eur. Ph. ED 7 volume 1 p1147 01/2010/1432 p1148 01/2010/1865 p1149-1150 01/2011/1202 * USP 39 p6709
41	Descurainia sophia (L.) Webb ex Prantl	goitrin		
42	Desmodium adscendens DC.	dimethyltryptamine derivatives beta-carboline type alkaloids (harmaine type)		
43	Dioscorea alata L.	alkaloids		
44	Diplotaxis tenuifolia (L.) DC	goitrin		

	A	B	C	D
45	Drosera anglica Huds. Drosera peltata Thunb. Drosera ramentacea Burch ex DC Drosera rotundifolia L.	naphthoquinons		
46	Dysphania botrys (L.) Mosyakin & Clemants	ascaridole		
47	Echinacea angustifolia DC.		HPLC according to Eur. Ph.	
48	Echinacea pallida (Nutt.) Nutt.		HPLC according to Eur. Ph.	
49	Echinacea purpurea (L.) Moench		HPLC according to Eur. Ph.	
50	Echium plantagineum L.	pyrrolizidine alkaloids		
51	Eruca vesicaria L. Cav.	goitrin		
52	Foeniculum vulgare Mill.	estragole	Determination of the quantity of essential oil (steam distillation) in the extract or powder, followed by the determination of estragole by gaz chromatography on the essential oil --> Calculation of the estragole quantity in the extract or powder.	Fennel bitter, fennel sweet Eur. Ph. Valid edition
53	Frangula alnus Mill.	total anthranoids (expressed as glucofrangulin A)		
54	Frangula purshiana Cooper	total anthranoids (expressed as cascaroside A)		

	A	B	C	D
55	<i>Galega officinalis</i> L.	galegine peganine	galegine: LC-MS/MS peganine (vasicine): GC and MS	galegine: Oldham et al: Weed Science 59 3 2011 p349-352 Laakso et al: Journal Chromatografy A 1990 volume 505 2 p424-248. Described in P Harmala (contains next to harman alkaloids also peganine)
56	<i>Ginkgo biloba</i> L.	flavonol glycosides terpene lactones	HPLC + UV detector (flavonol glycosides) HPLC + RI detector (terpene lactones)	Ginkgo dry extract standardised, Pharmeuropa vol 11 n°2 199 333-336
57	<i>Glycine max</i> (L.) Merrill	isoflavones (expressed as glycoside of the main component)	HPLC + UV detection (determination of aglycones and glycosides, quick method)	<ul style="list-style-type: none"> • Apers, S. Journal of chromatography A , 1038 (2004): 107-112 • Song T. et al. (1998) Am. J. Clin. Nutr.68 : 1474S-9S
58	<i>Glycyrrhiza glabra</i> L. <i>Glycyrrhiza uralensis</i> Fischer ex De Candoll	glycyrrhizinic acid	HPLC + UV detection	Liquorice root , Eur. Ph. valid edition
59	<i>Gossypium herbaceum</i> L. <i>Gossypium hirsutum</i> L.	gossypol		
60	<i>Harpagophytum procumbens</i> (Burch.) DC. <i>Harpagophytum zeyheri</i> Decne.	total iridoids (calculated as harpagoside)	HPLC + UV detection	Devil's claw root, Eur. Ph. valid edition
61	<i>Humulus lupulus</i> L.	8-prenylnaringenine	HPLC + UV detection	Possemiers S. et al. , J. Agric. Food chem., 2005, 53, 6281-6288
62	<i>Hydrastis canadensis</i> L.	isoquinoline alkaloids (expressed as berberine)	HPLC according to USP	USP p 6692

	A	B	C	D
63	<i>Hypericum perforatum</i> L.	hypericin	HPLC + UV detection	St. John's wort dry extract quantified, <i>Pharmaeuropa</i> vol 16 n°1, January 2004: 97-9
64	<i>Indigofera tinctoria</i> L.	indospicine		
65	<i>Isatis tinctoria</i> L.	progoitrine goitrine indirubine		
66	<i>Jateorhiza palmata</i> (Lam.) Miers	isoquinoline alkaloids (expressed as berberine)		
67	<i>Lawsonia inermis</i> L.	naphthoquinons		
68	<i>Lepidium meyenii</i> Walp. (= <i>Lepidium peruvianum</i> G. Chacón de Popovici)	alkaloids [lepidilines A, B, C, macaridin, MTCA = 1-methyl-tetrahydro-betacarbolin, lepidines A-F].	Method with Limit of Detection of 10 ppm	
69	<i>Ligusticum striatum</i> DC.	indospicine		
70	<i>Lilium brownii</i> F.E. Br. ex Miellez	alkaloids		
71	<i>Linaria vulgaris</i> Mill.	alkaloids	hydroxyvasicine, peganine, pyrroloquinazoline alkaloiden	Assessing environmental risk for established invasive weed Dalmatian and yellow toadflax in North America: Sing et al. <i>Linaria dalmatica</i> n <i>vulgaris</i> . S Singh et al. <i>FRTET</i> – 2015 – 03. DK. Whaly et al. PNW Peer rieved 135. Yellow Dalmatien toadflex Claessens et al.
72	<i>Lobaria pulmonaria</i> (L.) Hoffm.	usnic acid		

	A	B	C	D
73	<i>Lupinus</i> spp.	alkaloids anagyrine	Capillary GLC (1992) GC-MS	Lee 2007: Journal of Agricultural and Food Chemistry, vol. 55 nr 26 p10649-10655 Magdalena Crop: genetic resources in krops resolution december 2017, vol. 64 issue 8 p1853-1860 --> 6 major alkaloids (including lupaline).
74	<i>Marchantia polymorpha</i> L.	lectin		
75	<i>Matricaria recutita</i> L. (= <i>Matricaria chamomilla</i> L., <i>Chamomilla recutita</i> (L.) Rauschert)	alpha-bisabolol apigénine-7-glucoside	CG HPLC + UV detection	<i>Matricaria</i> oil, Eur. Ph. valid edition <i>Matricaria</i> flower, Eur. Ph. valid edition
76	<i>Medicago sativa</i> L.	isoflavones (expressed as glycoside of the main component)		
77	<i>Mesembryanthemum crystallinum</i> L.	mesembrine type alkaloids		
78	<i>Momordica charantia</i> L.	lectin		
79	<i>Mucuna pruriens</i> (L.) DC.	harman alkaloids, levo-dopa, lectin non proteinogenic amino acids	SPE – HPLC – UV (for tryptamine alkaloids and harman alkaloids)	J. of AOC Int. 2017 vol. 100 (3) p820 Santos MC
80	<i>Nasturtium officinale</i> R. Brown	pulegone		
81	<i>Ocimum basilicum</i> L. <i>Ocimum gratissimum</i> L. <i>Ocimum tenuiflorum</i> L.	estragole		
82	<i>Ononis spinosa</i> L. <i>Ononis spinosa</i> subsp <i>hircina</i> (Jacq.) Gams	isoflavones (expressed as glycoside of the main component)		

	A	B	C	D
83	Ophioglossum vulgatum L.	ptaquiloside	TLC- densitometry, HPLC, GC-MS, LC-MS	Bonadies et al 2004. Rapid communication in MS 2004 nr 18 p825 - 828.
84	Padus avium var. avium	hydrogen cyanide		
85	Parmelia saxatilis (L.) Ach.	usnic acid		
86	Phellodendron amurense Rupr.	isoquinoline alkaloids (expressed as berberine)		
87	Picramnia antidesma Sw.	total anthranoids (expressed as cascarioside A)		
88	Prunus dulcis (Mill.) D. A. Webb	hydrogen cyanide		
89	Pueraria montana var. lobata (Willd.) Sanjappa & Pradeep Pueraria tuberosa (Willd.) DC	isoflavones (expressed as glycoside of the main component)		
90	Pulmonaria officinalis L.	pyrrolizidine alkaloids		
91	Rhamnus alpina L. Rhamnus cathartica L.	total anthranoids (expressed as glucofranguline A equivalents)		
92	Rheum australe D. DON	total anthranoids (expressed as rhein) rhaponticosides		
93	Rheum X hybridum Murray Rheum officinale Baill Rheum palmatum L. Rheum rhabarbarum L. Rheum rhaponticum L.	total anthranoids (expressed as rhein)	Spectrophotometry UV (low specificity, determination of some anthranoids of other origin, except c-glucosides - another hydrolysis method is needed)	Rhubarb, Eur. Ph. valid edition
94	Roccella phycopsis Ach.	usnic acid		
95	Rubia cordifolia L.	lucidin		

	A	B	C	D
96	Rumex acetosa L. Rumex acetosella L. Rumex alpinus L. Rumex conglomeratus Murray Rumex crispus L. Rumex longifolius DC. Rumex obtusifolius L. Rumex patienta L. Rumex sanguineus L.	total anthranoids (expressed as rhein)		
97	Salix alba L. Salix caprea L. Salix fragilis L. Salix pentandra L. Salix purpurea L.	salicin		
98	Sambucus nigra L.	hydrogen cyanide		
99	Scutellaria lateriflora L.	furano neo-clerodanes	HPLC – UV or HPLC – UV/MS or HPLC – DAD	J. of Asian Nat. Prod. Research 12 2010 (10) p 859 – 864 Yao et al. Plantamedica 2011 vol. 77 (4) p 383 – 393
100	Selenicereus grandiflorus (L.) Britton & Rose	narcissin		
101	Senna alexandrina Mill. (= Cassia acutifolia Delile, Cassia senna L., Cassia angustifolia Vahl.) Senna italica Mill. Senna obtusifolia(L.) HS Irwin & Barneby Senna occidentalis (L.) Link Senna tora (L.) Roxb.	total anthranoids (expressed as sennoside B)	Spectrophotometry (low specificity, determination of some anthranoids of other origin, except c-glucosides - another hydrolysis method is needed)	<ul style="list-style-type: none"> • Senna leaf, Eur. Ph. valid edition • Senna leaf dry extract standardised, Eur. Ph. valid edition • Senna pods, Alexandrian, Eur. Ph. Valid edition • Senna pods, tinnevelly, Eur. Ph. Valid edition

	A	B	C	D
102	Serenoa repens (W. Bartram) Small (= Sabal serrulata (Michaux) Nuttall ex Schultes & Schultes f. Serenoa serrulata (Michx.) Nichols	fat-soluble components	GC	Saw palmetto fruit, Eur. Ph. valid edition
103	Sisymbrium officinale (L) Scop.	cardiotonic steroid glycosides		
104	Sorghum bicolor (L.) Moench	hydrogen cyanide		
105	Spatholobus suberectus Dunn.	isoflavones (expressed as glycoside of the main component)		
106	Styphnolobium japonicum (L.) Schott Sophora japonica	alkaloids	Alkaloids (e.g. cytisin and methylcytisin): LC-MS	Chinese drugs of plant origin (Tang en Eizenbrand) 1992, Springer Verlag 1992, p945 - 955. Sophra flavescens 113, p931 - 943
107	Syzygium jambos (L.) Alston	hydrogen cyanide		
108	Tanacetum vulgare L.	thujone		
109	Thalictrum flavum L.	isoquinoline alkaloids (expressed as berberine)		
110	Thlaspi arvense L.	progoitrin goitrin		
111	Tribulus terrestris L.	saponins		
112	Trichilia catigua A. Juss.	tropane alkaloids		
113	Trichosanthes kirilowii Maxim.	trichosanthine		
114	Trifolium arvense L. Trifolium campestre Schreb. Trifolium pratense L. Trifolium repens L.	isoflavones (expressed as glycoside of the main component)		

	A	B	C	D
115	Tropaeolum majus L. Tropaeolum minus L.	progoitrin goitrin		
116	Usnea barbata (L.) Weber ex F.H.Wigg. Usnea longissima Ach. Usnea plicata Wiggers	usnic acid		
117	Valeriana jatamansi Jone	valepotriates	* Ph. Fr. 10e édition janvier 1994, "extrait de valériane": essai des valépotriates * Eur. Ph.: colorimetric reaction HPLC	
118	Zanthoxylum acanthopodium DC. Zanthoxylum americanum Mill. Zanthoxylum armatum DC.	alkaloids	Benzophenanthridine alkaloids: HPLC – UV/ESI – MS/MS	J. BMC alternative medicine 2017 vol. 17 (1) p460
119	Zingiber officinale Roscoe			* USP: HPLC * Eur. Ph. for essential oil