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- ▶ a **certificate of analysis** usually including\*
  - a description of general properties
  - a list of the identity tests the substance passed
  - a certified absolute content considering chromatographic purity as well as content of water, residual solvents and inorganic impurities

\* Very few exceptions apply to phyproof® Reference Substances available in limited quantities only. For detailed information on the analytical documentation delivered with each reference substance please visit our webshop at [phyproof.phytolab.com](http://phyproof.phytolab.com) or contact our reference substance team.

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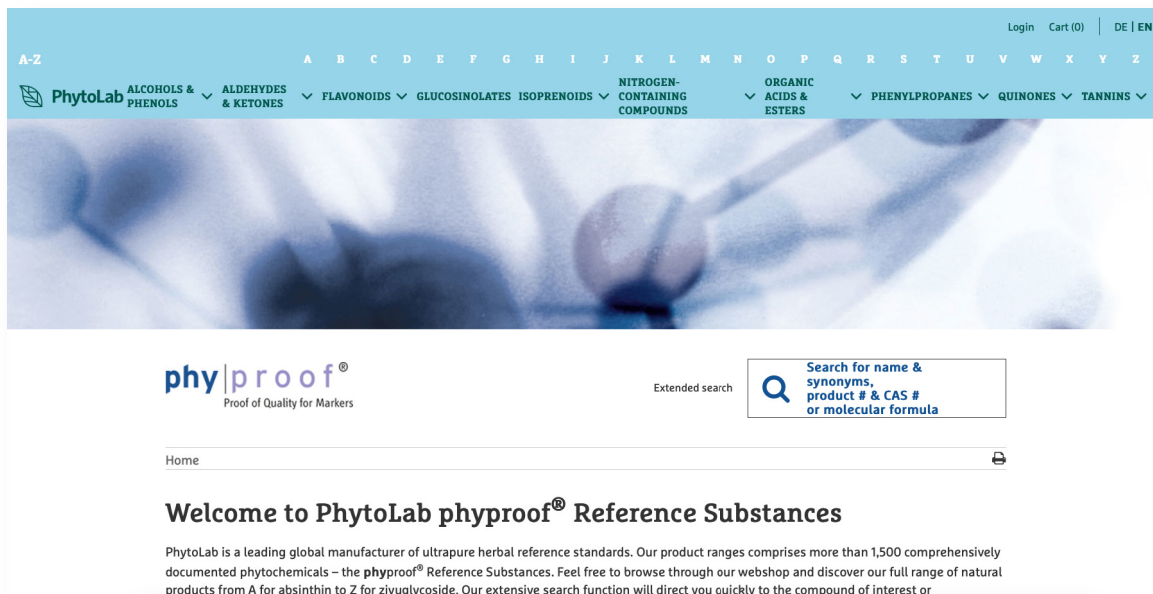
For **marketing authorization purposes** we deliver phyproof® Reference Substances upon request with full documentation (CTD module 3.2.S.5 /3.2.P.6) including the following data and information:

- ▶ NMR (<sup>1</sup>H and <sup>13</sup>C) incl. spectra interpretation
- ▶ LC-MS/MS or GC-MS incl. spectra interpretation
- ▶ FT-IR
- ▶ TLC
- ▶ elemental analysis
- ▶ two independent chromatographic methods, fully described and validated
- ▶ water content (coulometric Karl Fischer titration)
- ▶ residual solvents (headspace GC)
- ▶ inorganic impurities (ICP-MS)

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**For further information please contact our reference substance team:**

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<b>Aloe (<i>Aloe sp.</i>)</b>		Reference Substance (Product #)	
		Aloe emodin (89157)	Aloin A (89558)
		Aloe emodin 8-glucoside (85718)	Aloin B (83206)
		Aloenin A (89557)	Chrysophanol (89378)
		Aloeresin D (85719)	
<b>Andrographis (<i>Andrographis paniculata</i>)</b>		Reference Substance (Product #)	
Chirette verte		Andrograpanin (89560)	14-Deoxy 11,14-didehydroandrographolide (89631)
		Andrographolide (89561)	Neoandrographolide (89740)
<b>Anise (<i>Pimpinella anisum</i>)</b>		Reference Substance (Product #)	
Anice	Anis vert	trans-Anethole (89158)	Isovitexin (89233)
Anis	Erva doce	Apigenin 7-glucoside (89160)	Luteolin (89245)
		Chlorogenic acid (89175)	Luteolin 7-glucoside (89724)
		Cryptochlorogenic acid (80393)	Neochlorogenic acid (80504)
		Estragole (82205)	Quercetin 3-glucuronide (80349)
		Homoorientin (89709)	Rutin (89270)
<b>Arnica (<i>Arnica montana</i>)</b>		Reference Substance (Product #)	
Bergwohlverleih		Arnicolide C (86543)	Microhelenin C (86547)
Mountain tobacco		Arnicolide D (86544)	$\alpha$ -Santonin (80931)
		Brevilin A (84204)	
<b>Artichoke (<i>Cynara scolymus</i>)</b>		Reference Substance (Product #)	
Alcachofa	Artichaut	trans-Caffeic acid (89547)	3,5-Dicaffeoylquinic acid (80426)
Alcachofera	Artischocke	Chlorogenic acid (89175)	4,5-Dicaffeoylquinic acid (80427)
Alcachofra	Carciofo	Cryptochlorogenic acid (80393)	Luteolin (89245)
		Cynarin (89179)	Luteolin 7-glucoside (89724)
		1,5-Dicaffeoylquinic acid (82221)	Neochlorogenic acid (89504)
		3,4-Dicaffeoylquinic acid (80425)	Rutin (89270)
<b>Ashwagandha (<i>Withania somnifera</i>)</b>		Reference Substance (Product #)	
Bufera	Schlafbeere	12-Deoxywithastramonolide (80422)	Withanone (82683)
Ginseng indiano	Winterkirsche	Withaferin A (89824)	Withanoside IV (80632)
		Withanolide A (80556)	Withanoside V (80633)
		Withanolide B (80557)	
<b>Astragalus (<i>Astragalus sp.</i>)</b>		Reference Substance (Product #)	
Astragale	Astragalo	Astragaloside I (89572)	Calycosin 7-glucoside (82492)
		Astragaloside II (89573)	Cycloastragenol (82509)
		Astragaloside III (80357)	Formononetin (89528)
		Astragaloside IV (89377)	Ononin (82359)
		Calycosin (82491)	
<b>Bearberry (<i>Arctostaphylos uva-ursi</i>)</b>		Reference Substance (Product #)	
Busserole	Uva de oso	Arbutin (89510)	Gallic acid (89198)
Echte Bärentraube	Uva ursi	Ellagic acid (89653)	Hydroquinone (80712)
Gayuba	Uva Ursina		
<b>Bilberry (<i>Vaccinium myrtillus</i>)</b>		Reference Substance (Product #)	
Arandano	Mirtillo	Cyanidin chloride (80022)	Malvidin 3-glucoside chloride (89728)
Blaubeere	Mirtilo	Cyanidin 3-arabinoside (89463)	Pelargonidin chloride (80084)
Blueberry	Myrtille	Cyanidin 3-galactoside chloride (89463)	Peonidin chloride (80085)
		Cyanidin 3-glucoside chloride (89616)	Peonidin 3-glucoside chloride (89754)
		Delphinidin chloride (89625)	Petunidin chloride (80225)
		Delphinidin 3-galactoside chloride (89506)	Petunidin 3-glucoside chloride (89755)
		Delphinidin 3-glucoside chloride (89627)	Procyanidin A2 (83223)
		Malvidin chloride (80083)	trans-Pterostilbene (83261)
		Malvidin 3-galactoside (80600)	
<b>Birch (<i>Betula pendula</i>)</b>		Reference Substance (Product #)	
Abedul	Birke	Betulin (89581)	Lupeol (89722)
Betulla	Bouleau	Betulinic acid (89529)	Quercitrin (89346)
		Hyperoside (89227)	
<b>Bitter orange (<i>Citrus aurantium</i>)</b>		Reference Substance (Product #)	
Arancio	Fleur d'oranger	Eriocitrin (89194)	Nobiletin (80858)
Azahar	Flor de laranja	Hesperetin (89222)	Nomilin (80507)
Bigaradier	Laranja amarga	Hesperidin (89707)	Obacunone (80509)
Bitterorange	Naranja amarga	Limonin (89379)	Poncirin (82628)
Chinotto	Pomeranze	Naringenin (89738)	Sinensetin (89278)
		Naringin (89739)	Synephrine (89386)
		Narirutin (83339)	Tangeretin (89803)
		Neohesperidin (89741)	
<b>Black cohosh (<i>Cimicifuga racemosa</i>)</b>		Reference Substance (Product #)	
Actées à grappes noires	Traubensilberkerze	Actein (89154)	Cimigenol 3- $\alpha$ -L-arabinoside (83329)
		Cimicifugic acid B (84142)	Cimigenol 3- $\beta$ -D-xyloside (83330)
		Cimicifugic acid F (84141)	23-epi-26-deoxyactein (89183)
		Cimifugin (89387)	trans-Isoferulic acid (89717)

This listing is a small selection only. For our complete product range please refer to our **phyproof®** Reference Substances catalogue or visit our webshop at [phyproof.phytolab.com](http://phyproof.phytolab.com).

<b>Boldo (<i>Peumus boldus</i>)</b>		Reference Substance (Product #)	
Bourdaine		Boldine (80145)	
<b>Boswellia (<i>Boswellia serrata</i>)</b>		Reference Substance (Product #)	
Incienso	Olibano	3-O-Acetyl $\alpha$ -boswellic acid (89555)	$\alpha$ -Boswellic acid (89585)
Indischer Weihrauch		3-O-Acetyl $\beta$ -boswellic acid (89152)	$\beta$ -Boswellic acid (89454)
		3-O-Acetyl 9,11-dehydro $\beta$ -boswellic acid (83240)	11-keto- $\beta$ -Boswellic acid (89169)
		3-O-Acetyl 11-keto- $\beta$ -boswellic acid (89153)	
<b>Broccoli (<i>Brassica oleracea</i>)</b>		Reference Substance (Product #)	
Broccolo	Brokkoli	Glucoraphanin potassium salt (89215)	
Brócoli			
<b>Buckthorn (<i>Rhamnus frangula</i>)</b>		Reference Substance (Product #)	
Bourdaine	Frangola	Chrysophanol (89378)	Glucofrangulin A (84189)
Faulbaum	Frángula	Emodin (89191)	Glucofrangulin B (84190)
		Frangulin A (89665)	Physcion (89757)
		Frangulin B (89196)	
<b>Burdock (<i>Arctium lappa</i>)</b>		Reference Substance (Product #)	
Bardana	Große Klette	Arctigenin (80354)	Arctiin (89531)
Grande bardane			
<b>Butcher's broom (<i>Ruscus aculeatus</i>)</b>		Reference Substance (Product #)	
Fragon	Rusco	Neuroscogenin (89253)	Ruscogenin (89268)
Petit houx	Stechender Mäusedorn		
Pungitopo			
<b>Calendula (<i>Calendula officinalis</i>)</b>		Reference Substance (Product #)	
Ringelblume	Souci officinal	$\beta$ -Amyrin (80292)	Oleanolic acid (89383)
		Faradiol (82536)	Rutin (89270)
		Hyperoside (89227)	$\beta$ -Sitosterol (89283)
		Isorhamnetin 3-neohesperidoside (82568)	Stigmasterol (82658)
		Isorhamnetin 3-rutinoside (83337)	
<b>Cannabis (<i>Cannabis sativa</i>)</b>		Reference Substance (Product #)	
Canapa	Marihuana	Cannabidiol (85705)	$\beta$ -Caryophyllene (80717)
Hanf	Marijuana	Cannabidiolic acid (85839)	(-)-Caryophyllene oxide (82496)
Hemp		Cannabidivarin (85955)	$\alpha$ -Humulene (83351)
		Cannabigerol (85956)	Linalool (80885)
		Cannabigerolic acid (85958)	$\alpha$ -Pinene (89257)
		Cannabinol (86068)	$\beta$ -Pinene (89335)
		Cannflavin A (85954)	Sabinene (82342)
<b>Cat's claw (<i>Uncaria tomentosa</i>)</b>		Reference Substance (Product #)	
Katzenkrallen	Uña de gato	Isomitraphylline (89718)	Uncarine C (89814)
Liane du Pérou	Unha de gato	Isorhynchophylline (80483)	Uncarine D (89815)
		Mitraphylline (89736)	Uncarine E (89816)
		Rhynchophylline (80526)	
<b>Cayenne (<i>Capsicum annum</i>)</b>		Reference Substance (Product #)	
Callena	Peperoncino	Capsaicin (89520)	Nordihydrocapsaicin (89254)
Cayena	Piment	Dihydrocapsaicin (89647)	N-Vanillylnonamide (89820)
<b>Chamomile (<i>Chamomilla recutita</i>)</b>		Reference Substance (Product #)	
Camomila	Kamille	Apigenin (89159)	Chamazulene (89174)
Camomilla	Manzanilla	Apigenin 7-glucoside (89160)	Matricin (89248)
Camomille		(-)- $\alpha$ -Bisabolol (80005)	7-Methoxycoumarin (89733)
		Bisabololoxide A (89168)	Umbelliferone (80098)
<b>Chaste tree (<i>Vitex agnus-castus</i>)</b>		Reference Substance (Product #)	
Agnocasto	Mönchspfeffer	Agnuside (89155)	Casticin (89173)
Gattilier	Sauzgatillo	Aucubin (89163)	
Keuschlamm			
<b>Cinnamon (<i>Cinnamomum sp.</i>)</b>		Reference Substance (Product #)	
Canela	Cannelle	(+)-Catechin (89172)	trans-Ferulic acid (89663)
Cannella	Zimt	trans-Cinnamic acid (89608)	2-Methoxycinnamaldehyde (83155)
		Cinnamtannin A2 (83372)	Procyanidin A2 (83223)
		trans-p-Coumaric acid (89498)	Procyanidin B1 (89764)
		Cinnamtannin B1 (86350)	Procyanidin B2 (89552)
		Coumarin (80017)	Procyanidin C1 (89537)
		(-)-Epicatechin (89192)	Protocatechuic acid (89766)
		Eugenol (80715)	

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<b>Cocoa (<i>Theobroma cacao</i>)</b>		Reference Substance (Product #)	
Cacao Cacau	Kakao	Caffeine (89591) (+)-Catechin (89172) Chlorogenic acid (89175) Cinnamtannin A2 (83372) (-)-Epicatechin (89192) Procyanidin A2 (83223)	Procyanidin B1 (89764) Procyanidin B2 (89552) Procyanidin C1 (89537) Rutin (89270) Theobromine (89808) Theophylline (82668)
<b>Coffee (<i>Coffea sp.</i>)</b>		Reference Substance (Product #)	
Café Caffè	Kaffee	Cafestol (82294) Caffeine (89591) Chlorogenic acid (89175) Cryptochlorogenic acid (80393) Dehydrocafestol (86057) 3,4-Dicaffeoylquinic acid (80425) 3,5-Dicaffeoylquinic acid (80426)	4,5-Dicaffeoylquinic acid (80427) Kahweol (82293) 16-O-Methylcafestol (89734) Neochlorogenic acid (80504) Theophylline (82668) Trigonelline chloride (80548)
<b>Cola nut tree (<i>Cola sp.</i>)</b>		Reference Substance (Product #)	
Kola Noix de cola	Noz de cola Nuez de cola	Caffeine (89591) (+)-Catechin (89172) (-)-Epicatechin (89192)	Theobromine (89808) Theophylline (82668)
<b>Curcuma (<i>Curcuma longa</i>)</b>		Reference Substance (Product #)	
Gelbwurzel		Bisdemethoxycurcumin (89582) Curcumin (89180)	Demethoxycurcumin (89628) Zerumbone (83418)
<b>Dandelion (<i>Taraxacum officinale</i>)</b>		Reference Substance (Product #)	
Dente de leão Diente de león Löwenzahn	Pissenlit Tarassaco	Apigenin 7-glucoside (89160) Faradiol (82536)	Luteolin 7-glucoside (89724) Taraxasterol acetate (80542)
<b>Devil's claw (<i>Harpagophytum procumbens</i>)</b>		Reference Substance (Product #)	
Artiglio del diavolo Garra del diablo Garra do diabo	Griffe du diable Harpagofito Teufelskralle	6-Acetyllacteoside (89554) 8-p-Coumaroylharpagide (89178) Harpagide (89703)	Harpagoside (89218) Isoverbascoside (89232) Verbascoside (89289)
<b>Dong quai (<i>Angelica sinensis</i>)</b>		Reference Substance (Product #)	
Angélique de Chine		Bergapten (89865) trans-Ferulic acid (89663) Imperatorin (89715)	Z-Ligustilide (89242) Osthole (89747) Psoralen (89770)
<b>Echinacea (<i>Echinacea sp.</i>)</b>		Reference Substance (Product #)	
Coneflower Echinacée	Equinácea Sonnenhut	Caftaric acid (89170) Chicoric acid (89177) Chlorogenic acid (89175) Cynarin (89179) 3,4-Dicaffeoylquinic acid (80425)	3,5-Dicaffeoylquinic acid (80426) 4,5-Dicaffeoylquinic acid (80427) Dodeca 2E,4E,8Z,10E,Z-tetraenoic acid isobutylamide (89187) Echinacoside (89188) 2E,4E-Hexadienoic acid isobutylamide (86250)
<b>Elderberry (<i>Sambucus nigra</i>)</b>		Reference Substance (Product #)	
Holunder Sabugueiro Sambuco	Sáúco Sureau noir	trans-Caffeic acid (89547) trans-p-Coumaric acid (89498) Cyanidin 3,5-diglucoside chloride (89615) Cyanidin 3-glucoside chloride (89616) Cyanidin 3-sambubioside chloride (89617) trans-Ferulic acid (89663)	Hyperoside (89227) Kaempferol (89235) Kaempferol 3-glucoside (89237) Quercetin (89262) Quercetin 3-glucoside (89230) Rutin (89270)
<b>Eyebright (<i>Euphrasia officinalis</i>)</b>		Reference Substance (Product #)	
Augentrost Eufrasia	Euphrase	Aucubin (89163) Catalpol (89595)	Geniposide (89675)
<b>Fennel (<i>Foeniculum vulgare</i>)</b>		Reference Substance (Product #)	
Fenchel Fenouil Finocchio	Funcho Hinojo	trans-Anethole (89158) Chlorogenic acid (89175) Cryptochlorogenic acid (80393) Estragol (82205) (-)-Fenchone (82541) Guaiaverin (80986)	Neochlorogenic acid (80504) $\alpha$ -Pinene (89257) Quercetin 3-glucoside (89230) Quercetin 3-glucuronide (80349) Rutin (89270)
<b>Fenugreek (<i>Trigonella foenum-graecum</i>)</b>		Reference Substance (Product #)	
Alholva Bockshornklee Feno grego	Fenouil Fieno greco Trebol rosso	Dioscin (89648) Diosgenin (89649) Homoorientin (89709) Isovitexin (89233) Protodioscin (80522)	Quercetin 3-glucoside (89230) Trigonelline chloride (80548) Vitexin (89290) Yamogenin (80634)
<b>Feverfew (<i>Tanacetum parthenium</i>)</b>		Reference Substance (Product #)	
Fieberkraut Grande camomille Mutterkraut	Partenio Tanaceto	Parthenolide (89255)	

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<b>Flaxseed (<i>Linum usitatissimum</i>)</b>		Reference Substance (Product #)	
Leinsamen	Linhaça	Enterodiol (80436)	(+)-Secoisolariciresinol (80532)
Linaza	Lino	Enterolactone (80437)	Secoisolariciresinol diglucoside (80533)
Lin cultivé		(-)-Matairesinol (80497)	
<b>Garcinia (<i>Garcinia cambogia</i>)</b>		Reference Substance (Product #)	
		(-)-Hydroxycitric acid lactone (80473)	
<b>Garlic (<i>Allium sativum</i>)</b>		Reference Substance (Product #)	
Aglio	Alho	L-(+/-)-Alliin (89470)	
Ail	Knoblauch		
Ajo			
<b>Gentian (<i>Gentiana lutea</i>)</b>		Reference Substance (Product #)	
Enzian	Gentiane	Amarogentin (80178)	Sweroside (89802)
Genciana	Genziana	Gentiopicroside (89512)	Swertiamarin (89513)
Genciano		Isogentisin (83239)	
<b>Ginger (<i>Zingiber officinale</i>)</b>		Reference Substance (Product #)	
Gengibre	Jengibre	6-Gingerol (89201)	8-Shogaol (83910)
Gingembre	Zenzero	8-Gingerol (89202)	10-Shogaol (83911)
Ingwer		10-Gingerol (89203)	Zerumbone (83418)
		6-Shogaol (89792)	
<b>Ginkgo (<i>Ginkgo biloba</i>)</b>		Reference Substance (Product #)	
		(-)-Bilobalide (89167)	Ginkgolide J (89329)
		Ginkgetin (83501)	Ginkgotoxin hydrochloride (82638)
		Ginkgolic acid C13:0 (89678)	Isoginkgetin (83513)
		Ginkgolic acid C15:1 (89522)	Isorhamnetin (89314)
		Ginkgolic acid C17:1 (89207)	Kaempferol (89235)
		Ginkgolic acids RN (89480)	Quercetin (89262)
		Ginkgolide A (89204)	Rutin (89270)
		Ginkgolide B (89205)	Sciadopitysin (83543)
		Ginkgolide C (89206)	
<b>Ginseng (<i>Panax ginseng</i>)</b>		Reference Substance (Product #)	
Ginseng coreano	Raiz de ging seng	Ginsenoside Rb1 (89208)	Ginsenoside Re (89212)
		Ginsenoside Rb2 (89209)	Ginsenoside Rf (89213)
		Ginsenoside Rc (89210)	Ginsenoside Rg1 (89214)
		Ginsenoside Rd (89211)	Ginsenoside Rg2 (89680)
<b>Ginseng, American (<i>Panax quinquefolius</i>)</b>		Reference Substance (Product #)	
Amerikanischer Ginseng	Ginseng americano	Ginsenoside Rb1 (89208)	Ginsenoside Re (89212)
Ginseng américain		Ginsenoside Rb2 (89209)	Ginsenoside Rf (89213)
		Ginsenoside Rc (89210)	Ginsenoside Rg1 (89214)
		Ginsenoside Rd (89211)	Ginsenoside Rg2 (89680)
<b>Goldenroot (<i>Rhodiola rosea</i>)</b>		Reference Substance (Product #)	
Rhodiola	Rosenwurz	Rosarin (89903)	Rosin (89902)
		Rosavin (89264)	Salidroside (89462)
<b>Goldenseal (<i>Hydrastis canadensis</i>)</b>		Reference Substance (Product #)	
Goldsiegelwurz	Idraste	Berberine chloride dihydrate (89487)	Palmitine chloride (89490)
Hidrastis	Kanadische Gelbwurz	Hydrastine (89511)	
Hydraste du Canada			
<b>Gotu kola (<i>Centella asiatica</i>)</b>		Reference Substance (Product #)	
Asiatischer Wassernabel		Asiatic acid (89569)	Madecassic acid (80229)
		Asiaticoside (89570)	Madecassoside (80230)
<b>Grape seed (<i>Vitis vinifera</i>)</b>		Reference Substance (Product #)	
Pépins de raisin	Traubenkerne	(+)-Catechin (89172)	Procyanidin B2 (89552)
Semilla de uva		Cinnamtannin A2 (83372)	Procyanidin C1 (89537)
		(-)-Epicatechin (89192)	trans-Pterostilbene (83261)
		Gallic acid (89198)	trans-Resveratrol (89539)
		trans-Polydatin (89312)	ε-Viniferin (83550)
		Procyanidin B1 (89764)	
<b>Guarana (<i>Paullinia cupana</i>)</b>		Reference Substance (Product #)	
		Caffeine (89591)	Theobromine (89808)
		(+)-Catechin (89172)	Theophylline (82668)
		(-)-Epicatechin (89192)	
<b>Guggul (<i>Commiphora sp.</i>)</b>		Reference Substance (Product #)	
Mirra	Myrrhe	Guggulsterone E (89698)	Guggulsterone Z (89699)
<b>Gymnema (<i>Gymnema silvestre</i>)</b>		Reference Substance (Product #)	
Gimnema		Gymnemagenin (80466)	

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<b>Hawthorn (<i>Crataegus sp.</i>)</b>		Reference Substance (Product #)	
Aubépine Espino blanco	Weißdorn	trans-Caffeic acid (89547) Chlorogenic acid (89175) Cinnamtannin A2 (83372) Hyperoside (89227) Procyanidin A2 (83223)	Procyanidin B2 (89552) Rutin (89270) Vitexin (89290) Vitexin 2''-rhamnoside (89291)
<b>Hops (<i>Humulus lupulus</i>)</b>		Reference Substance (Product #)	
Hopfen Houblon	Luppolo Lúpulo	Hulupinic acid (89899) Isoxanthohumol (89234) Lupulone (stable DCHA salt) (86708)	6-Prenylnaringenin (80520) 8-Prenylnaringenin (89886) Xanthohumol (89292)
<b>Horny goat weed (<i>Epimedium grandiflorum</i>)</b>		Reference Substance (Product #)	
Epimède	Geiles Ziegenkraut	Epimedin A (80586) Epimedin B (80587) Epimedin C (80588)	Icariin (89714) Icaritin (80478)
<b>Horse chestnut (<i>Aesculus hippocastanum</i>)</b>		Reference Substance (Product #)	
Castanha da Índia Castaño de Indias Ippocastano	Marronnier Roskastanie	Escin (89871) Escin IA (80445) Escin IB (80446) Esculin (89659)	Isoescin IA (83862) Isoescin IB (83863) Protoescigenin (83898)
<b>Horsetail (<i>Equisetum arvense</i>)</b>		Reference Substance (Product #)	
Cavalinha Cola de caballo Equiseto dei campi	Prêle des champs Schachtelhalm	Kaempferol 3-glucoside (89237)	Quercetin 3-glucoside (89230)
<b>Ivy (<i>Hedera helix</i>)</b>		Reference Substance (Product #)	
Edera Efeu Hera	Hiedra Lierre	Hederacoside C (89221) Hederagenin (89706)	$\alpha$ -Hederin (89220)
<b>Java tea (<i>Orthosiphon aristatus</i>)</b>		Reference Substance (Product #)	
Chá de Java Indischer Nierentee Katzenbart	Ortosifón Té de Java Thé de Java	Eupatorin (80451)	Sinensetin (89278)
<b>Kava kava (<i>Piper methysticum</i>)</b>		Reference Substance (Product #)	
Rauschpfeffer		5,6-Dehydro 7,8-dihydrokavain (84667) Desmethoxyyangonin (89184) Dihydrokavain (89185) Dihyromethysticin (89186) Flavokawain A (83762) Flavokawain B (83763)	Flavokawain C (83854) D,L-Kavain (89239) Methysticin (89250) Piperethystin (84054) Yangonin (89293)
<b>Lavender (<i>Lavandula angustifolia</i>)</b>		Reference Substance (Product #)	
Alfazema Lavanda	Lavande Lavendel	D,L-Camphor (80087) Eucalyptol (89195) Lavandulol (80887) Lavandulyl acetate (80653)	Linalool (80885) Linalyl acetate (89243) $\alpha$ -Terpineol (89872)
<b>Lemon balm (<i>Melissa officinalis</i>)</b>		Reference Substance (Product #)	
Mélisse	Zitronenmelisse	Apigenin 7-glucoside (89160) trans-Caffeic acid (89547) Chlorogenic acid (89175) Citral (82501) trans-p-Coumaric acid (89498) trans-Ferulic acid (89663)	Luteolin 7-glucoside (89724) Oleanolic acid (89383) Quercetin 3-glucoside (89230) Rosmarinic acid (89266) Ursolic acid (89541)
<b>Licorice (<i>Glycyrrhiza sp.</i>)</b>		Reference Substance (Product #)	
Alcaçuz Lakritz Liquirizia Palo dulce	Regaliz raíz Réglisse Süßholz	Formononetin (89528) Glabridin (80463) 18 $\alpha$ -Glycyrrhetic acid (82552) 18 $\beta$ -Glycyrrhetic acid (89694) Glycyrrhizin (89217)	Isoliquiritigenin (89544) Isoliquiritin (80481) Licochalcone A (80486) Liquiritigenin (89543) Liquiritin (80490)
<b>Linden (<i>Tilia sp.</i>)</b>		Reference Substance (Product #)	
Lime Linde Tiglio	Tila Tilleul	trans-p-Caffeic acid (89547) Chlorogenic acid (89175) trans-p-Coumaric acid (89498) Ellagic acid (89653) Esculin (89659) Fraxin (89545) Gallic acid (89198) Hyperoside (89227)	Kaempferol (89235) Kaempferol 3-glucoside (89237) Protocatechuic acid (89766) Quercetin (89262) Quercetin 3-glucoside (89230) Quercitrin (89346) Rutin (89270) Tilioside (89809)

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<b>Lupine (<i>Lupinus sp.</i>)</b>		Reference Substance (Product #)	
Altramuz Lupin	Lupino Tremoceira	Albine hydrochloride (86291) Anagyrene hydrochloride (83211) Angustifoline (86292) Cytisine (80401) 13-Hydroxylupanine (86290)	(+)-Lupanine hydrochloride (85755) (-)-Lupinine (86294) N-Methylcytisine (83219) Multiflorine (86293) (-)-Sparteine sulfate (86295)
<b>Maca (<i>Lepidium peruvianum</i>)</b>		Reference Substance (Product #)	
		Glucotropaeolin potassium salt (89216)	
<b>Mangosteen (<i>Garcinia mangostana</i>)</b>		Reference Substance (Product #)	
Mangostane Mangostin	Mangostino Mangoustan	Mangostin (89247)	
<b>Meadowsweet (<i>Filipendula ulmaria</i>)</b>		Reference Substance (Product #)	
Mädesüß Olmária	Reine-des-prés Ulmaria	Hyperoside (89227) Methyl salicylate (82239) Quercetin (89262)	Quercetin 3-glucuronide (80349) Rutin (89270) Spiraeoside (89798)
<b>Milk thistle (<i>Silybum marianum</i>)</b>		Reference Substance (Product #)	
Cardo mariano Chardon-Marie	Mariendistel Silimarina	2,3-Dehydrosilybin A (82877) 2,3-Dehydrosilybin B (82878) Isosilybin (A+B mixture) (89231) Isosilybin A (82570) Isosilybin B (82571)	Silybin (A+B mixture) (89280) Silybin A (82653) Silybin B (82654) Silychristin (89281) Silydianin (89282)
<b>Monkfruit (<i>Siraitia grosvenorii</i>)</b>		Reference Substance (Product #)	
Fruit de moine Fruta del monje Fruta dos monges	Luohan guo Mönchsfrucht	Grosvenorine (84217) Isomogroside V (84226) Mogrol (84241) Mogroside III-E (83875) Mogroside IV(82599)	Mogroside V (80498) 11-Oxomogroside III-E (84248) 11-Oxomogroside V (80899) Siamenoside I (82652)
<b>Olive (<i>Olea europaea</i>)</b>		Reference Substance (Product #)	
Oliva	Olivo	Cyclooolivil (83489) Hydroxytyrosol (80152) Maslinic acid (83209) Oleacein (83881) Oleanolic acid (89383) Oleocanthal (83882)	Oleoside 11-methyl ester (89652) Oleuropein (89338) Oleurosides (85762) (-)-Olivil (83883) Tyrosol (80166)
<b>Oregano (<i>Origanum vulgare</i>)</b>		Reference Substance (Product #)	
Dorst Origan	Origanó Wilder Majoran	Carvacrol (80241) Carvacrol methyl ether (83363)	Thymol (89287)
<b>Passion flower (<i>Passiflora incarnata</i>)</b>		Reference Substance (Product #)	
Maracujá Passiflore	Passionsblume	Homoorientin (89709) Hyperoside (89227) Isoschaftoside (83324) Isovitexin (89233)	Orientin (89746) Schaftoside (83325) Vitexin (89290)
<b>Pau D'Arco (<i>Tabebuia impetiginosa</i>)</b>		Reference Substance (Product #)	
Ipé Roxo	Lapacho	p-Hydroxybenzoic acid (83051) Lapachol (89521)	Vanillic acid (89819) Vanillin (82678)
<b>Peppermint (<i>Mentha piperita</i>)</b>		Reference Substance (Product #)	
Hortelã-pimenta Menta	Menthe poivrée Pfefferminze	trans-Caffeic acid (89547) trans-p-Coumaric acid (89498) trans-Ferulic acid (89663) (+)-Isomenthol (80016)	Isomenthone (89328) (-)-Menthol (89517) (-)-Menthone (82241) Rosmarinic acid (89266)
<b>Plantain (<i>Plantago lanceolata</i>)</b>		Reference Substance (Product #)	
Llantén Siete venas	Spitzwegerich	Aucubin (89163) Catalpol (89595) Chlorogenic acid (89175)	Neochlorogenic acid (80504) Verbascoside (89289)
<b>Pomegranate (<i>Punica granatum</i>)</b>		Reference Substance (Product #)	
Granada Granatapfel Grenade	Mangrano Melograno Romã	Punicalagin (A+B mixture) (80524)	Punicalin (A+B mixture) (83532)
<b>Red clover (<i>Trifolium pratense</i>)</b>		Reference Substance (Product #)	
Rotklee Trebol de los prados Trebol rojo	Trèfle rouge Trevo vermelho Trifoglio	Biochanin A (80012) Calycosin (82491) Daidzein (89181) Daidzin (89182)	Formononetin (89528) Genistein (89199) Genistin (89200) Ononin (82359)

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<b>Rhubarb (<i>Rheum sp.</i>)</b>		Reference Substance (Product #)	
Rabarbaro Rhabarber	Rhubarbe Ruibarbo	Aloe emodin (89157) Aloe-emodin 8-glucoside (85718) Chrysophanol (89378) Chrysophanol 8-glucoside (84206) Desoxyrhaponticin (82310) Desoxyrhapontigenin (85733) Emodin (89191) Emodin 8-glucoside (83849) Physcion (89757)	Rhaponticin (89776) Rhapontigenin (83906) Rhein (89385) Rhein 8-glucoside (83536) Sennidin A (85772) Sennidin B (85773) Sennoside A (89276) Sennoside B (89277)
<b>Rosemary (<i>Rosmarinus officinalis</i>)</b>		Reference Substance (Product #)	
Alecrim Romarin Romero	Rosmarin Rosmarino	Borneol (89583) (-)-Bornyl acetate (89584) trans-Caffeic acid (89547) D,L-Camphene (80063) D,L-Camphor (80087) Carnosic acid (89171) Carnosol (80150) p-Cymene (80836) Eucalyptol (89195)	Hispidulin (83335) Hispidulin 7-glucoside (83315) 12-O-Methylcarnosic acid (83416) $\alpha$ -Pinene (89257) $\beta$ -Pinene (89335) Rosmanol (83268) Rosmarinic acid (89266) $\alpha$ -Terpineol (89872)
<b>Saffron (<i>Crocus sativus</i>)</b>		Reference Substance (Product #)	
Açafrão Azafrán	Safran Zafferano	Crocetin (86280) $\beta$ -Crocetin (86281) Crocetin dimethyl ester (86282) Crocin (80391) Crocin 2 (80392)	Crocin 3 (86283) Crocin 4 (86284) Crocin E (86285) Picrocrocin (89259)
<b>Sage (<i>Salvia officinalis</i>)</b>		Reference Substance (Product #)	
Salbei	Sauge	Borneol (89583) (-)-Bornyl acetate (89584) trans-Caffeic acid (89547) D,L-Camphene (80063) D,L-Camphor (80087) Carnosol (80150) $\beta$ -Caryophyllene (80717) Chlorogenic acid (89175) Eucalyptol (89195) Hispidulin (83335)	12-O-Methylcarnosic acid (83416) Oleanolic acid (89383) $\alpha$ -Pinene (89257) $\beta$ -Pinene (89335) Rosmanol (83268) Rosmarinic acid (89266) (-)- $\alpha$ -Thujone (89286) $\alpha,\beta$ -Thujone (82669) Ursolic acid (89541)
<b>Saw palmetto (<i>Serenoa repens</i>)</b>		Reference Substance (Product #)	
Palmier nain Palmito	Sabal Sägepalme	$\beta$ -Sitosterol (89283)	
<b>Schizandra (<i>Schisandra chinensis</i>)</b>		Reference Substance (Product #)	
Chinesischer Limonenbaum Chinesisches Spaltkörbchen	Chizandra	Schisandrol A (89885) Schisandrol B (80206) Schisantherin A (89316)	Schizandrin A (89785) Schizandrin B (89786)
<b>Senna (<i>Cassia sp.</i>)</b>		Reference Substance (Product #)	
Sen Sene	Sennes	Aloe emodin (89157) Emodin (89191) Rhein (89385) Rhein 8-glucoside (83536) Sennidin A (85772)	Sennidin B (85773) Sennoside A (89276) Sennoside A1 (83247) Sennoside B (89277) Sennoside C (80534)
<b>Siberian ginseng (<i>Eleutherococcus senticosus</i>)</b>		Reference Substance (Product #)	
Eleuterococco Eleuterococo Gingseng siberiano Ginseng siberiano	Ginseng sibérien Sibirischer Ginseng Taigawurzel	trans-Caffeic acid (89547) Chlorogenic acid (89175) Eleutheroside B (89189)	Eleutheroside E (89190) Isofraxidin (89229)
<b>Soy (<i>Glycine max</i>)</b>		Reference Substance (Product #)	
Soia Soja	Soya	Dadzein (89181) Daidzin (89182) Formononetin (89528) Genistein (89199)	Genistin (89200) Glycitein (89692) Glycitin (89693) Isoformononetin (83257)
<b>St. John's wort (<i>Hypericum perforatum</i>)</b>		Reference Substance (Product #)	
Hierva de San Juan Hipérico Johanniskraut	Iperico Millepertuis	Hyperforin, stable DCHA salt (89225) Hypericin (89226) Hyperoside (89227) Pseudohypericin (89261)	Quercetin (89262) Quercetin 3-glucoside (89230) Rutin (89270)

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<b>Stevia (<i>Stevia rebaudiana</i>)</b>		Reference Substance (Product #)	
Süßkraut		Dulcoside A (82417) Isosteviol (82395) Kaurenoic acid (84229) Rebaudioside A (80067) Rebaudioside B (82396) Rebaudioside C (82397) Rebaudioside D (82398) Rebaudioside E (84145) Rebaudioside F (85642) Rebaudioside I (85768)	Rebaudioside J (85769) Rebaudioside M (84146) Rebaudioside N (83218) Rebaudioside O (85843) Rubusoside (80078) Steviol (82262) Steviolbioside (82399) Steviol 19-glucoside (84261) Stevioside (89800)
<b>Stinging nettle (<i>Urtica sp.</i>)</b>		Reference Substance (Product #)	
Brennessel Ortica Ortie	Ortiga Urtiga	L-Aspartic acid (80666) trans-Caffeic acid (89547) Caffeoylmalic acid (89238) Chlorogenic acid (89175) L-Glutamic acid (82551) Kaempferol 3-glucoside (89237)	Oleanolic acid (89383) Quercetin 3-glucoside (89230) Rutin (89270) Scopoletin (89516) $\beta$ -Sitosterol (89283) $\beta$ -Sitosterol D-glucoside (80538)
<b>Tea (<i>Camellia sinensis</i>)</b>		Reference Substance (Product #)	
Chá Tee Té	The Thé	Caffeine (89591) Camelliaside A (83483) Camelliaside B (83484) (+)-Catechin (89172) Chlorogenic acid (89175) (-)-Epicatechin (89192) (-)-Epicatechin 3-gallate (89193) (-)-Epigallocatechin (89655) (-)-Epigallocatechin 3-gallate (89656) Gallic acid (89198)	(-)-Gallocatechin (80096) (-)-Gallocatechin 3-gallate (89667) Theaflavin (83341) Theaflavin 3,3'-digallate (83344) Theaflavin 3-gallate (83342) Theaflavin 3'-gallate (83343) L-Theanine (82213) Theobromine (89808) Theogallin (83569) Theophylline (82668)
<b>Thyme (<i>Thymus vulgaris</i>)</b>		Reference Substance (Product #)	
Thym Thymian Timo	Tomilho Tomillo	Apigenin (89159) Apigenin 7-glucoside (89160) Borneol (89583) Carvacrol (80241) Carvacrol methyl ether (83363) p-Cymene (80836) Eucalyptol (89195) Linalool (80885)	Luteolin (89245) Luteolin 7-glucoside (89724) Oleanolic acid (89383) Rosmarinic acid (89266) $\alpha$ -Terpineol (89872) Thymol (89287) Ursolic acid (89541)
<b>Tribulus (<i>Tribulus terrestris</i>)</b>		Reference Substance (Product #)	
Castaña de agua Erdburzeldorn	Trébol Tribule terrestre	Dioscin (89648) Diosgenin (89649)	Protodioscin (80522)
<b>Valerian (<i>Valeriana officinalis</i>)</b>		Reference Substance (Product #)	
Baldrian	Valériane	Acetoxyvaleric acid (89151) Hydroxyvaleric acid (89224)	Valeric acid (89288) Valtrate (83949)
<b>White willow (<i>Salix alba</i>)</b>		Reference Substance (Product #)	
Salice alba Sauce	Saule blanc Silberweide	(+)-Catechin (89172) Eleutheroside B (89189) Salicin (89782)	Salicortin (86064) Tremulacin (86065)
<b>Yarrow (<i>Achillea millefolium</i>)</b>		Reference Substance (Product #)	
Milenrama Mil folhas Milhojas	Millefeuille Millefoglio Schafgarbe	Apigenin (89159) Apigenin 7-glucoside (89160) Casticin (89173) Chamazulene (89174) Eucalyptol (89195) Guaiazulene (89697)	Isoschaftoside (83324) Luteolin (89245) Luteolin 7-glucoside (89724) Rutin (89270) Schaftoside (83325)
<b>Yohimbe (<i>Pausinystalia yohimbe</i>)</b>		Reference Substance (Product #)	
		Ajmalicine (82463)	Yohimbine hydrochloride (82685)

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