

09 July 2025 EMA/HMPC/189454/2023 Committee on Herbal Medicinal Products (HMPC)

## Assessment report on Species pectorales

#### Final

Based on Article 16d(1), Article 16f and Article 16h of Directive 2001/83/EC (traditional use)

Herbal substance(s) (binomial scientific name of	Althaea officinalis L., radix
the plant, including plant part)	Cetraria islandica (L.) Acharius s.l., thallus
	Filipendula ulmaria (L.) Maxim., flos
	Foeniculum vulgare Miller subsp. vulgare var. vulgare, fructus
	Glycyrrhiza glabra L.; Gycyrrhiza inflata Bat.; Glycyrrhiza uralensis Fisch., radix
	Plantago lanceolata L., folium
	Pimpinella anisum L., fructus
	Polygonum aviculare L., herba
	Primula veris L.; Primula elatior (L.) Hill, flos
	Salix [various species including S. purpurea L.; S. daphnoides Vill.; S. fragilis L.], cortex
	Sambucus nigra L., flos
	Thymus vulgaris L.; Thymus zygis L., herba
	Tilia cordata Miller; Tilia platyphyllos Scop.; Tilia x vulgaris Heyne, flos
	Verbascum thapsus L.; V. densiflorum Bertol. (V. thapsiforme Schrad); V. phlomoides L., flos
Herbal preparation(s)	Combinations of the above-mentioned herbal substances
Pharmaceutical form(s)	Comminuted herbal substances as herbal tea for oral use



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#### 1. Introduction

## 1.1. Description of the herbal substance(s), herbal preparation(s) or combinations thereof

 Combinations of herbal substance(s) and/or herbal preparation(s) including a description of vitamin(s) and/or mineral(s) as ingredients of traditional combination herbal medicinal products assessed, where applicable.

EU herbal monographs on herbal tea combinations are based on combinations which have been shown to fulfil the applicable criteria according to Directive 2001/83/EC. In addition, the specific herbal preparations included have a documented traditional use on a specific indication already established in previous HMPC assessments for the single substance use. There are data showing their use in combinations in certain ranges that can be considered safe and plausible.

The legislation does not impose any limitation to the number/percentage of combination partners in herbal teas. However, the scientific opinion of the HMPC is:

Usually not more than 4 herbal substances should be used in an herbal tea as active substance and each substance should represent not less than 10% of the total weight. More combination partners at lower proportions imply technical obstacles in terms of quality testing and raise questions about the plausible contribution and the need/justification. These may be better considered excipients.

More than 4 substances or less than 10% of the total weight in a herbal tea would in principle not raise concerns from a public health viewpoint provided that the marketing authorisation holder/traditional use registration holder can control the quality of the herbal medicinal product and that appropriate justification on the need and the plausibility as active substance as well as the safety for a specific indication, strength and posology is provided.

According to data from marketed products, pharmacopoeias, textbooks and literature, traditional herbal tea combinations in the EU member states contain mostly 3-4 main herbal substances with a well-documented single and combined use and plausibility in a specific indication. Accordingly, HMPC agreed and cover a large proportion of traditional combinations. Such limitation allows also a reasonable reference to previous single substance assessments and appropriate complexity of the monograph for use by applicants and assessors.

Tea combinations in EU herbal monographs can be considered plausible and safe in a certain indication and thus facilitate national registration procedures providing some flexibility for applicants. However, it is not supposed to be exhaustive or exclude other individual combinations. It is always possible to obtain registration/authorisation for a specific combination product provided that all requirements are met, even if not covered by the EU herbal combination monographs. Reference can be made to the established herbal tea monographs with an adequate justification of the deviation (e.g. inclusion of a preparation without an EU herbal monograph or different number of combination partners).

It is further referred to the Regulatory Q&A on herbal medicinal products (EMA/HMPC/345132/2010) questions R1 and R8, as well as general HMPC guidance in this respect:

- Guideline on the clinical assessment of fixed combinations of herbal substances / herbal preparations (EMA/HMPC/166326/2005)
- Guideline on quality of combination herbal medicinal products / traditional herbal medicinal products (EMA/HMPC/CHMP/CVMP/214869/2006)

This assessment report refers to herbal tea combinations used in the therapeutic area 'cough and cold'. Herbal substances contained in such combinations for which an assessment by the HMPC has been performed for the use as single substance are: Althaea officinalis L., radix; Cetraria islandica (L.) Acharius s.l., thallus; Filipendula ulmaria (L.) Maxim., flos; Foeniculum vulgare Miller subsp. vulgare var. vulgare, fructus; Glycyrrhiza glabra L.; Gycyrrhiza inflata Bat.; Glycyrrhiza uralensis Fisch., radix; Plantago lanceolata L., folium; Pimpinella anisum L., fructus; Polygonum aviculare L., herba; Primula veris L.; Primula elatior (L.) Hill, flos; Salix [various species including S. purpurea L.; S. daphnoides Vill.; S. fragilis L.], cortex; Sambucus nigra L., flos; Thymus vulgaris L.; Thymus zygis L., herba; Tilia cordata Miller; Tilia platyphyllos Scop.; Tilia x vulgaris Heyne, flos; Verbascum thapsus L.; V. densiflorum Bertol. (V. thapsiforme Schrad); V. phlomoides L, flos.

Other herbal substances that are linked to the therapeutic area but are not yet assessed by the HMPC leading to an EU herbal monograph for the single substance are not considered in this assessment report.

Additional herbal substances which may be combination partners, but which are not linked to the therapeutic area are considered as excipients.

For the description of the herbal substances, their constituents, relevant pharmacopoeia monographs, non-clinical and clinical data please refer to the assessment reports of the single herbal substances.

#### 1.2. Search and assessment methodology

The information regarding herbal tea combinations in the therapeutic area 'cough and cold' was gathered from EU member states and the information provided by interested parties.

Also, several scientific databases were searched for combinations: Pubmed, Embase, Medline, Healthlink, Scopus, in November 2023. Nevertheless, such review did not provide relevant results on the combinations.

Books, Book chapters, articles and letters in Journals, Medical press reviews, Acts of law and regulations Libraries: Standard handbooks of Phytotherapy and Pharmacognosy (Wichtl 1994, among others).

For the scientific data on safety and efficacy of the single herbal substances contained in the combinations please refer to the assessment reports of the single herbal substances.

#### 2. Data on medicinal use

#### 2.1. Information about products on the market

# 2.1.1. Information about products on the market in the EU/EEA Member States

Information on medicinal products marketed in the EU/EEA

Not applicable.

Information on relevant combination medicinal products marketed in the EU/EEA

Herbal substances mentioned in brackets belong to different therapeutic area/indication.

Table 1: Overview of data obtained from marketed medicinal products

#	Active substance	Indication	Pharmaceutical form	Regulatory Status
1	Salviae officinalis folium 15 g Althaeae radix 15 g Polygoni avicularis herba 15 g Thymi herba 15 g Urticae herba 15 g Sambuci flos 5 g Plantaginis folium 5 g Foeniculi amari fructus 10 g Liquiritiae radix 5 g In 100 g of species	Traditional herbal medicinal product (THMP) used as an adjuvant in acute and chronic diseases of the upper respiratory tract. It has an antiseptic and expectorant effect. The infusion can also be used for gargling or inhalation.	Species – herbal tea  1 tablespoon (5 g) is poured over a cup (1/4 l) of boiling water and after 15 minutes of infusing in a covered container it is strained, the tea must not be boiled. It is drunk warm 3 times a day.  The preparation can be used by adults and adolescents from 12 years of age.	TU, 1971, CZ
2	Salviae officinalis folium 0.225 g Althaeae radix 0.225 g Polygoni avicularis herba 0.225 g Thymi herba 0.225 g Urticae herba 0.225 g Sambuci flos 0.075 g Plantaginis folium 0.075 g Foeniculi amari fructus 0.150 g Liquiritiae radix 0.075 g In one tea/infusion bag (1.5 g)	THMP used as an adjuvant in acute and chronic diseases of the upper respiratory tract. It has an antiseptic and expectorant effect. The infusion can also be used for gargling or inhalation.	1 infusion bag is poured over a cup (¼ l) of boiling water and infused in a covered container for 5-10 minutes. Tea is drunk warm, 3 times a day.  The preparation can be used by adults and adolescents from 12 years of age.	TU, 1971, CZ
3	Plantaginis folium 375 mg Serpylli herba 225 mg Althaeae radix 300 mg Liquiritiae radix 225 mg Tiliae flos 75 mg Cynosbati fructus sine semine 300 mg In one tea/infusion bag (1.5 g)	THMP used in acute diseases of the upper respiratory tract, accompanied by cough. Facilitates expectoration, dissolves and loosens phlegm. The preparation can be used by children from 4 years old, adolescents and adults.	Species - herbal tea  1 infusion bag is poured over 0.25 l of boiling water and left for 5 min. infuse in a covered container. It must not be cooked. Children from 4 to 12 years old drink tea 2 times a day, teenagers from 12 years old and adults drink tea 3 times a day.	TU, 1995, CZ
4	Foeniculi fructus 225 mg Sambuci flos 375 mg	THMP used in colds, accompanied	1 infusion bag is poured over 0.25 l of boiling	TU, 1997, CZ

#	Active substance	Indication	Pharmaceutical form	Regulatory Status
	Tiliae flos 375 mg Plantaginis folium 300 mg Liquiritiae radix 225 mg In one tea/infusion bag (1.5 g)	by increased temperature, in inflammations of the oral cavity and upper respiratory tract; promotes sweating.	water and left to infuse for 5-10 minutes in a covered container. It must not be cooked. The tea is drunk warm 3 times a day  The preparation can be used by children from 3 years of age, adolescents and adults.	
5	Plantaginis folium 23 g Farfarae folium 22 g Althaeae radix 22 g Menthae piperitae herba 10 g Liquiritiae radix 1 g Verbasci flos 8 g Foeniculi amari fructus 5 g In 100 g of species	THMP used as an adjuvant in acute and chronic diseases of the upper respiratory tract. It acts as an expectorant, mucilaginous and antiseptic.	Species  1 tablespoon (5 g) is poured over a cup (¼ L) of boiling water and after 15 minutes of infusing in a covered container it is strained, the tea must not be boiled. It is drunk warm 3 times a day.  The preparation can be used by adults and adolescents from 12 years of age.	TU, 1969, CZ From 2019 the product is not on the market because of the Farfarae folium (one of the components with PAs). However, the sunset is scheduled on 31-12-2025.
6	Salviae folium 0.225 g/15 g Althaeae radix 0.225 g/15 g Polygoni avicularis herba 0.225 g/15 g Thymi herba 0.225 g/15 g Urticae herba 0.225 g/15 g Foeniculi fructus 0.150 g/10 g Sambuci flos 0.075 g/5 g Plantaginis folium 0.075 g/5 g Liquiritiae radix 0.075 g/5 g	Adjuvant treatment of acute and chronic upper respiratory tract infections. It has expectorant and antiseptic properties. Infusion can be used as a gargle or for inhalation.	Herbal tea  Bags: Pour out a cup (1/4 L) of boiling water to 1 bag of herbal tea and macerate for 5-10 minutes. Drink 3-times daily. It can be sweetened. It should be prepared freshly before use.  Comminuted herbal substances: Pour out a cup (1/4 L) of boiling water to tablespoon (5 g) of herbal tea and macerate for 15 minutes. Do not cook. Drink 3-times daily. It can be sweetened. It	TU, 1971, SK

#	Active substance	Indication	Pharmaceutical form	Regulatory Status
			should be prepared freshly before use.	
7	Plantaginis folium 23 g Althaeae radix 22 g Farfarae folium 22 g Menthae pip.herba 10 g Liquiritiae radix 10 g Verbasci flos 8 g Foeniculi fructus 5 g	Adjuvant treatment of acute and chronic upper respiratory tract infections. It has expectorant, mucilaginous and antiseptic properties. Infusion can be used as a gargle.	Posology: Pour out a cup (1/4 L) of boiling water to tablespoon (5 g) of herbal tea and macerate for 15 minutes. Do not cook. Drink 3-times daily. It can be sweetened. It should be prepared freshly before use.  Duration of use: Herbal tea contains Farfarae folium. Threferore, it should not be used for more than 4-6 weeks.	Species pectorales Planta, 1969, SK
8	1 tea bag (2.0 g) contains 0.7 g Tiliae flos, comminuted; 0.55 g Anisi fructus, comminuted; 0.55 g Thymi herba, comminuted	To improve the symptoms of common cold and dry irritating cough.	Herbal tea  Adults and adolescents  over 12 years of age:  SD: 2 g  DD: 6 g	WEU, at least since 1976, DE
9	1 tea bag (2.0 g) contains 1.2 g Salicis cortex, comminuted; 0.04 g Tiliae flos, comminuted	Common cold especially of febrile type and with headache.	Herbal tea Adults and adolescents over 12 years of age: SD: 2 g DD: 10 g	WEU, at least since 1976, DE
10	Brusttee 100 g herbal tea combination contain: 15 g Anisi fructus, 25 g Liquiritiae radix, 25 g Althaeae radix, 25 g Althaeae flos	Relief of mucosa irritation of the upper respiratory tract and associated dry cough.	Herbal tea SD: 3 g DD: 9-12 g  No longer than 4-6 weeks per year without medical advice.	Standard Marketing Authorisation 1993, DE
11	Erkältungstee I 100 g herbal tea combination contain: 30 g Sambuci flos, 30 g Tiliae flos, 20 g Filipendulae flos; Other ingredients: 20 g Rosae pseudo-fructus	Febrile colds for which a sweating cure is desirable.	Herbal tea 1 cup of a fresh infusion prepared from 1 tablespoonful (4-5 g) herbal tea several times daily	Standard Marketing Authorisation, 1987, DE
12	Erkältungstee II* 100 g herbal tea combination contain: 20-40 g Sambuci flos, 20-40 g Tiliae flos, 20-35 g Salicis cortex	Febrile colds for which a sweating cure is desirable.	Herbal tea 1 cup of a fresh infusion prepared from 1 tablespoonful (4-5 g) herbal tea several times daily	Standard Marketing Authorisation, 1988, DE
13	Erkältungstee III* 100 g herbal tea combination	Febrile colds for which a sweating	Herbal tea 1 cup of a fresh infusion	Standard Marketing

#	Active substance	Indication	Pharmaceutical form	Regulatory Status
	contain: 20-30 g Sambuci flos, 25-40 g Tiliae flos, 20-30 g Filipendulae flos	cure is desirable.	prepared from 1 tablespoonful (4-5 g) herbal tea several times daily	Authorisation 1988, DE
14	Erkältungstee IV* 100 g herbal tea combination contain: 30-50 g Sambuci flos, 20-30 g Thymi herba, 20-35 g Salicis cortex	Febrile colds for which a sweating cure is desirable	Herbal tea 1 cup of a fresh infusion prepared from 1 tablespoonful (4-5 g) herbal tea several times daily	Standard Marketing Authorisation, 1988, DE
15	Erkältungstee V* 100 g herbal tea combination contain: 20-40 g Sambuci flos, 20-40 g Tiliae flos, 20-30 g Thymi herba	Febrile colds for which a sweating cure is desirable	Herbal tea 1 cup of a fresh infusion prepared from 1 tablespoonful (4-5 g) herbal tea several times daily	Standard Marketing Authorisation, 1988, DE
16	Hustentee 100 g herbal tea combination contain: 25 g Althaeae radix, 10 g Foeniculi amari fructus, 10 g Cetrariae islandicae thallus, 15 g Plantaginis lanceolatae herba, 10 g Liquiritiae radix, 30 g Thymi herba	For signs of bronchitis as well as upper respiratory tract cold.	Herbal tea 1 cup of a fresh infusion prepared from 1 tablespoonful (4-5 g) herbal tea several times daily	Standard Marketing Authorisation, 1987, DE
17	Husten- und Bronchialtee I** 100 g herbal tea combination contain: 10-25 g Foeniculi amari fructus, 25-40 g Plantaginis lanceolatae herba, 25-35 g Liquiritiae radix, 10-40 g Thymi herba	Symptoms of bronchitis as well as irritation relief of upper respiratory tract cold with dry cough.	Herbal tea 1 cup of a fresh infusion prepared from 1 tablespoonful (4-5 g) herbal tea several times daily	Standard Marketing Authorisation, 1988, DE
18	Husten- und Bronchialtee II** 100 g herbal tea combination contain: 10-40 g Anisi fructus, 40-60 g Tiliae flos, 10-30 g Thymi herba	Symptoms of bronchitis as well as irritation relief of upper respiratory tract cold with dry cough.	Herbal tea 1 cup of a fresh infusion prepared from 1 tablespoonful (4-5 g) herbal tea several times daily	Standard Marketing Authorisation, 1988, DE
19	1 tea bag (2 g) contains 0.6 g Sambuci flos, comminuted; 0.5 g Salicis cortex, comminuted; 0.5 g Tiliae flos, comminuted	THMP to improve symptoms of febrile colds	Herbal tea Adults: SD: 2-4 g DD: 6-16 g	TUR, 2013, DE
20	1 tea bag (1.6 g) contains: 0.24 g Foeniculi fructus, comminuted; 0.21 g Thymi herba, comminuted; 0.19 g Tiliae flos, comminuted; 0.19 g Polygoni avicularis herba, comminuted; 0.18 g Cetrariae islandicae thallus, comminuted; 0.10 g Primulae flos, comminuted; 0.06 g Lamii albi flos, comminuted; 0.06 g Verbasci flos, comminuted	THMP to support expectoration in the respiratory tract. To facilitate coughing up during common colds	Herbal tea Adults and adolescents over 12 years of age: SD: 1.6 g DD: 6.4-9.6 g	TU, at least since 1976, DE TUR, 2013, DE
21	1 tea bag (1.5 g) contains 0.525 g Plantaginis lanceolatae	THMP for expectoration and	Herbal tea Adults and adolescents	TUR, 2014,

#	Active substance	Indication	Pharmaceutical form	Regulatory Status
	folium, comminuted; 0.375 g Thymi herba, comminuted; 0.375 g Althaeae radix, comminuted; 0.225 g Liquiritiae radix, comminuted	irritation relief in cough associated with colds.	over 12 years of age: SD: 3 g DD: 9-12 g Children from 3 to 11 years of age: SD: 1.5 g DD: 4.5-6 g	DE
22	1 tea bag (2.0 g) contains 0.7 g Thymi herba, comminuted; 0.5 g Althaeae radix, comminuted; 0.3 g Plantaginis lanceolatae folium, comminuted 0.3 g Liquiritiae radix, comminuted; 0.2 g Cetrariae islandicae thallus, comminuted	THMP for expectoration and irritation relief in cough associated with colds.	Herbal tea  Adults and adolescents  over 12 years of age:  SD: 2-4 g  DD: 6-16 g	TUR, 2013, DE
23	1 tea bag (1.5 g) contains 0.720 g Plantaginis lanceolatae folium, comminuted; 0.495 g Thymi herba, comminuted	THMP for expectoration in colds with cough and for relief of oropharyngeal irritations associated with dry cough.	Herbal tea Adults and adolescents over 12 years of age: SD: 1.5 g DD: 6 g	TUR, 2021, DE

This overview is not exhaustive. It is provided for information only and reflects the situation at the time when it was established.

Information on other products marketed in the EU/EEA (where relevant)

Not applicable.

## 2.1.2. Information on products on the market outside the EU/EEA

Not applicable.

# 2.2. Information on documented medicinal use and historical data from literature

Table 2: Overview of historical data

Herbal preparation	Documented use / Traditional use	Pharmaceutical form	Reference
Lichen islandicus 50 g	Species pectorales	No posology given	Czechoslovak
Althaeae radix 200 g			Parmacopoeia IV
Liquiritiae radix 100 g	No further indication		
Thymi herba 100 g			Slovak Pharmaceutical
Anisi vulgaris fructus 100 g			Code, 2007
Farfarae folium 100 g			

Herbal preparation	Documented use / Traditional use	Pharmaceutical form	Reference
Verbasci flos 100 g			
Althaeae folium 250 g			
Lichen islandicus 50 g	Species pectorales	No posology given	Czechoslovak
Althaeae radix 150 g			Parmacopoeia III
Liquiritiae radix 150 g	No further indication		
Thymi herba 50 g			
Anisi vulgaris fructus 50 g			
Malvae flos 50 g			
Verbasci flos 50 g			
Althaeae folium 550 g			
Current composition:	Species pectorales	Single dose of 1.5 g	Since 1960 in the
Malvae flos 10 parts			Austrian Ph
Verbasci flos 10 parts			
Althaeae folium 20 parts			
Thymi herba 10 parts			
Althaeae radix 20 parts			
Liquiritiae radix 25 parts			
Anisi fructus 5 parts			
Original composition only 10 parts Althaeae folium, but additionally 10 parts Tussilaginis folium. Tussilago has been removed in the early 1990ies.			
(In the original composition Thymi folium was contained, as this herbal substance was contained in the national pharmacopoeia. Change to Thymi herba with the uptake of thyme into Ph. Eur.			

## 2.3. Overall conclusions on medicinal use

Table 3: Althaeae radix in combinations

Combination partner	Amount	Single dose Althaeae radix,	Period of
	Althaeae radix	Posology, Strength	medicinal use
	in combination		(Reference # in
			table 1)
Anisi fructus	15 g (15%)	0.75 g, 3 times daily	10
Foeniculi amari fructus	15 g (15%)	0.75 g, 3 times daily	1
	0.225 g (15%)	0.225 g, 3 times daily	2
	0.150 g (10%)	0.150g, 3 times daily	6
	5 g (5%)	1.1 g, 3 times daily	7
	25 g (25%)	1-1.25 g, several times daily	16
Lichen islandicus	25 g (25%)	1-1.25 g /several times daily	16
Liquiritiae radix	15 g (15%)	0.75 g, 3 times daily	1,10
	0.225 g (15%)	0.225 g, 3 times daily	2,6
	10 g (10%)	1.1 g, 3 times daily	7
	25 g (25%)	1-1.25 g, several times daily	16
Plantaginis folium	15 g (15%)	0.75 g, 3 times daily	1
	0.225 g (15%)	0.225 g, 3 times daily	2,6
	23 g (23%)	1.1 g, 3 times daily	7
Polygoni avicularis herba	15 g (15%)	0.75 g, 3 times daily	1
	0.225 g (15%)	0.225 g, 3 times daily	2,6
Sambuci flos	15 g (15%)	0.75 g, 3 times daily	1
	0.225 g (15%)	0.225 g, 3 times daily	2,6
Thymi herba	15 g (15%)	0.75 g, 3 times daily	1
	0.225 g (15%)	0.225 g, 3 times daily	2,6
	25 g (25%)	1-1.25 g, several times daily	16
Verbasci flos	8 g (8%)	1.1 g, 3 times daily	7
Summary	5-25%	Adolescents, adults and elderly Single dose: 0.75-1.25 g DD: 2.25-3.75 g Frequency: 3 times daily Monograph: Children 3-5 years of age SD: 0.5-1.0 g, 3 times daily DD: 1.5-3.0 g Children 6-11 years of age SD: 0.5-1.5 g, 3 times daily	
		DD: 1.5–4.5 g  Adolescents, adults and elderly SD:0.5-3 g, several times daily Max DD: 15 g	

Table 4: Anisi fructus in combinations

Combination partner	Amount Anisi fructus in combination	Single dose Anisi fructus, Posology, Strength	Period of medicinal use (Reference # in
			table 1)
Althaeae radix	15 g (15%)	0.45 g, 3-4 times daily	10
Liquiritiae radix	15 g (15%)	0.45 g, 3-4 times daily	10
Thymi herba	0.55 g (27.5%)	0.55 g, 3 times daily	8,18
	10-40g (10-40%)	0.4-2 g, several times daily	
Tiliae flos	0.55 g (27.5%)	0.55 g, 3 times daily	8,18
	10-40g (10-40%)	0.4-2 g, several times daily	
Summary	10-40%	Adolescents, adults and elderly	
		Single dose: 0.4-2 g	
		DD: 1.2-6 g	

Combination partner	Amount Anisi fructus in combination	Single dose Anisi fructus, Posology, Strength	Period of medicinal use (Reference # in table 1)
		Frequency: 3 times/several times daily Monograph:  Adolescents, adults and elderly SD: 1- 3.5 g, 3 times daily	

Table 5: Filipendulae ulmariae flos in combinations

Combination partner	Amount Filipendulae	Single dose Filipendulae ulmariae flos, Posology,	Period of medicinal use
	ulmariae flos in	Strength	(Reference #
	combination	Strength	in table 1)
Sambuci flos	20 g (20%)	0.8-1.0 g, several times daily	11,13
	20-30 g (20-30%)	0.8-1.5 g, several times daily	
Tiliae flos	20 g (20%)	0.8-1.0 g, several times daily	11,13
	20-30 g (20-30%)	0.8-1.5 g, several times daily	
Summary	20-30%	Single dose: 0.8-1.5 g	
		Frequency: several times daily	
		Monograph:	
		Adults, Elderly	
		DD: 2.5-6 g, divided in 1-3	
		single doses	
		Max DD: 15 g	

Table 6: Foeniculi amari fructus in combinations

Combination	Amount Foeniculi	Single dose Foeniculi amari	Period of
partner	amari fructus in	fructus, Posology, Strength	medicinal use
	combination		(Reference # in
			table 1)
Althaeae radix	10 g (10%)	0.5 g, 3 or several times daily	1,16
		0.15 g, 3 times daily	2
	0.150 g/ 10 g (10%)	0.15 g, 3 times daily	6
	5 g (5%)	0.25 g, 3 times daily	7
Lichen islandicus	10 g (10%)	0.5 g, 3 or several times daily	16
	0.24 g (15%)	0.24 g, 4-6 times daily	20
Liquiritiae radix	10 g (10%)	0.5 g, 3 or several times daily	1,16
		0.15 g, 3 times daily	2
	0.150 g/ 10 g (10%)	0.150 g, 3 times daily	6
	5 g (5%)	0.25 g, 3 times daily	7
	10-25 g (10-25%)	0.4-1.25 g, several times	17
		daily	
Polygoni avicularis	10 g (10%)	0.5 g, 3 times daily	1
herba		0.15 g, 3 times daily	2
	0.150 g/ 10 g (10%)	0.150 g, 3 times daily	6
	0.24 g (15%)	0.24 g, 4-6 times daily	20
Plantaginis folium	10 g (10%)	0.5 g, 3 or several times daily	1,16
		0.15 g, 3 times daily	2
	0.150 g/ 10 g (10%)	0.150 g, 3 times daily	6
	5 g (5%)	0.25 g, 3 times daily	7

Combination partner	Amount Foeniculi amari fructus in combination	Single dose Foeniculi amari fructus, Posology, Strength	Period of medicinal use (Reference # in table 1)
	10-25 g (10-25%)	0.4-1.25 g, several times daily	17
Primulae flos	0.24 g (15%)	0.24 g, 4-6 times daily	20
Sambuci flos	10 g (10%)	0.5 g, 3 times daily 0.15 g, 3 times daily	1 2
Thymi herba	0.150 g/ 10 g (10%) 10 g (10%)	0.15 g, 3 times daily 0.5 g, 3 or several times daily 0.15 g, 3 times daily	6 1,16 2
	0.150 g/ 10 g (10%) 10-25 g (10-25%)	0.15 g, 3 times daily 0.4-1.25 g, several times daily	6 17
	0.24 g (15%)	0.24 g, 4-6 times daily	20
Tiliae flos	0.24 g (15%)	0.24 g, 4-6 times daily	20
Verbasci flos	5 g (5%) 0.24 g (15%)	0.25 g, 3 times daily 0.24 g, 4-6 times daily	7 20
Summary	5-25%	Single dose: 0.15-1.25 g Frequency: 3 to several times daily Monograph: Adults and adolescents SD: 1.5 g, 3 times daily DD: 4.5 g Children between 4 and 12 years of age SD: 1.0 g, 3 times daily DD: 3.0 g	

Table 7: Lichen islandicus in combinations

Combination partner	Amount Lichen islandicus in	Single dose Lichen islandicus, Posology,	Period of medicinal use
	combination	Strength	(Reference # in
			table 1)
Althaeae radix	15 g (15%)	0.6-0.75 g, several times daily	16
Foeniculi amari	15 g (15%)	0.6-0.75 g, several times daily	16
fructus	0.18 g (11.25%)	0.18 g, 4-6 times daily	20
Liquiritiae radix	15 g (15%)	0.6-0.75 g, several times daily	16
Polygoni avicularis	0.18 g (11.25%)	0.18 g, 4-6 times daily	20
herba			
Plantaginis folium	15 g (15%)	0.6-0.75 g, several times daily	16
Primulae flos	0.18 g (11.25%)	0.18 g, 4-6 times daily	20
Thymi herba	15 g (15%)	0.6-0.75 g, several times daily	16
	0.18 g (11.25%)	0.18 g, 4-6 times daily	20
Tiliae flos	0.18 g (11.25%)	0.18 g, 4-6 times daily	20
Verbasci flos	0.18 g (11.25%)	0.18 g, 4-6 times daily	20
Summary	11.25-15%	Single dose: 0.18-0.75 g	
		Frequency: several times daily	
		Monograph:	
		Adolescents, adults and elderly	
		SD: 1.5 g, 3 to 4 times daily	
		DD: 4-6 g	

Table 8: Liquiritiae radix in combinations

Combination	Amount Liquiritiae	Single dose Liquiritiae	Period of
partner	radix in	radix, Posology, Strength	medicinal use
	combination		(Reference # in
			table 1)
Althaeae radix	5 g (5%)	0.25 g, 3 times daily	1
	0.075 g (5%)	0.075 g, 3 times daily	2,6
	10 g (10%)	0.5 g, 3 times daily	7
		0.4-0.5 g, several times daily	16
	25 g (25%)	0.75 g, 3-4 times daily	10
Anisi fructus	25 g (25%)	0.75 g, 3-4 times daily	10
Foeniculi amari fructus	5 g (5%)	0.25 g, 3 times daily	1
	0.075 g (5%)	0.075 g, 3 times daily	2,6
	10 g (10%)	0.5 g, 3 times daily	7
		0.4-0.5 g, several times daily	16
	25-35 g (25-35%)	1-1.25 g, several times daily	17
Lichen islandicus	10 g (10%)	0.4-0.5 g, several times daily	16
Plantaginis folium	5 g (5%)	0.25 g, 3 times daily	1
	0.075 g (5%)	0.075 g, 3 times daily	2,6
	10 g (10%)	0.5 g, 3 times daily	7
		0.4-0.5 g, several times daily	16
	25-35 g (25-35%)	1-1.25 g several times daily	17
Polygoni avicularis	5 g (5%)	0.25 g, 3 times daily	1
herba	0.075 g (5%)	0.075 g, 3 times daily	2,6
Sambuci flos	5 g (5%)	0.25 g, 3 times daily	1
	0.075 g (5%)	0.075 g, 3 times daily	2,6
Thymi herba	5 g (5%)	0.25 g, 3 times daily	1
	0.075 g (5%)	0.075 g, 3 times daily	2,6
	10 g (10%)	0.4-0.5 g, several times daily	16
	25-35 g (25-35%)	1-1.25 g several times daily	17
Verbasci flos	10 g (10%)	0.5 g, 3 times daily	7
Summary	5-35%	Single dose: 0.075-1.25 g	
		Frequency: 3 to several times	
		daily	
		Monograph:	
		Adults and elderly	
		SD: 1.5 g, 2 times daily	

Table 9: Plantaginis lanceolatae folium in combinations

Combination partner	Amount Plantaginis lanceolatae folium in combination	Single dose Plantaginis lanceolatae folium, Posology, Strength	Period of medicinal use (Reference # in table 1)
Althaeae radix	5 g (5%)	0.25 g, 3 times daily	1
	0.075 g (5%)	0.075 g, 3 times daily	2,6
	23 g (23%)	1.15 g, 3 times daily	7
	15 g (15%)	0.6-0.75 g, several times daily	16
Foeniculi amari fructus	5 g (5%)	0.25 g, 3 times daily	1
	0.075 g (5%)	0.075 g, 3 times daily	2,6
	23 g (23%)	1.15 g, 3 times daily	7
	15 g (15%)	0.6-0.75 g, several times daily	16

Combination	Amount	Single dose Plantaginis	Period of
partner	Plantaginis	lanceolatae folium,	medicinal use
	lanceolatae folium	Posology, Strength	(Reference # in
	in combination		table 1)
	25-40 g (25-40%)	1-1.6 g, several times daily	17
Lichen islandicus	15 g (15%)	0.6-0.75 g, several times daily	16
Liquiritiae radix	5 g (5%)	0.25 g, 3 times daily	1
	0.075 g (5%)	0.075 g, 3 times daily	2,6
	23 g (23%)	1.15 g, 3 times daily	7
	15 g (15%)	0.6-0.75 g, several times daily	16
	25-40 g (25-40%)	1-1.6 g, several times daily	17
Polygoni avicularis	5 g (5%)	0.25 g, 3 times daily	1
herba	0.075 g (5%)	0.075 g, 3 times daily	2,6
Sambuci flos	5 g (5%)	0.25 g, 3 times daily	1
	0.075 g (5%)	0.075 g, 3 times daily	2,6
Thymi herba	5 g (5%)	0.25 g, 3 times daily	1
	0.075 g (5%)	0.075 g, 3 times daily	2,6
	23 g (23%)	1.15 g, 3 times daily	7
	15 g (15%)	0.6-0.75 g, several times daily	16
	25-40 g (25-40%)	1-1.6 g, several times daily	17
Verbasci flos	23 g (23%)	1.15 g, 3 times daily	7
Summary	5-40%	Single dose: 0.075-1.6 g	
		Frequency: 3 to several times	
		daily	
		Monograph:	
		Adolescents, adults and elderly	
		SD: 2 g, 2-3 times per day	
		DD: 4-6 g	

Table 10: Polygoni avicularis herba in combinations

Combination partner	Amount Polygoni avicularis herba in combination	Single dose Polygoni avicularis herba, Posology, Strength	Period of medicinal use (Reference # in
			table 1)
Althaeae radix	15 g (15%)	0.75 g, 3 times daily	1
	0.225 g (15%)	0.225  g,  3  times  daily	2
	0.150 g (10%)	0.150 g, 3 times daily	6
Foeniculi amari fructus	15 g (15%)	0.75 g, 3 times daily	1
	0.225 g (15%)	0.225 g, 3 times daily	2
	0.150 g (10%)	0.150 g, 3 times daily	6
	0.19 g (11.875%)	0.19 g, 4-6 times daily	20
Lichen islandicus	0.19 g (11.875%)	0.19 g, 4-6 times daily	20
Liquiritiae radix	15 g (15%)	0.75 g, 3 times daily	1
	0.225 g (15%)	0.225  g, 3  times  daily	2
	0.150 g (10%)	0.150 g, 3 times daily	6
Plantaginis folium	15 g (15%)	0.75 g, 3 times daily	1
	0.225 g (15%)	0.225  g, 3  times  daily	2
	0.150 g (10%)	0.150 g, 3 times daily	6
Primulae flos	0.19 g (11.875%)	0.19 g, 4-6 times daily	20
Sambuci flos	15 g (15%)	0.75 g, 3 times daily	1
	0.225 g (15%)	0.225 g, 3 times daily	2
	0.150 g (10%)	0.150 g, 3 times daily	6
Thymi herba	15 g (15%)	0.75 g, 3 times daily	1
	0.225 g (15%)	0.225 g, 3 times daily	2

Combination partner	Amount Polygoni avicularis herba in	Single dose Polygoni avicularis herba, Posology,	Period of medicinal use
	combination	Strength	(Reference # in
			table 1)
	0.150 g (10%)	0.150 g, 3 times daily	6
	0.19 g (11.875%)	0.19 g, 4-6 times daily	20
Tiliae flos	0.19 g (11.875%)	0.19 g, 4-6 times daily	20
Verbasci flos	0.19 g (11.875%)	0.19 g, 4-6 times daily	20
Summary	10-15%	Single dose: 0.15-0.225 g	
		Frequency: 3-6 times daily	
		Monograph:	
		Adolescents, adults and elderly	
		SD: 1.5-2 g, 3-4 times daily	
		DD: 4.5-8 g	

Table 11: Primulae flos in combinations

Combination partner	Amount Primulae flos in combination	Single dose Primulae flos, Posology, Strength	Period of medicinal use (Reference # in table 1)
Foeniculi amari fructus	0.10 g (6.25%)	0.10 g, 4-6 times daily	20
Lichen islandicus	0.10 g (6.25%)	0.10 g, 4-6 times daily	20
Polygoni avicularis herba	0.10 g (6.25%)	0.10 g, 4-6 times daily	20
Thymi herba	0.10 g (6.25%)	0.10 g, 4-6 times daily	20
Tiliae flos	0.10 g (6.25%)	0.10 g, 4-6 times daily	20
Verbasci flos	0.10 g (6.25%)	0.10 g, 4-6 times daily	20
Summary	6.25%	Single dose: 0.10 g Frequency: 4-6 times daily Monograph: Adolescents, adults and elderly SD: 1 g, 3 times daily	

Table 12: Salicis cortex in combinations

Combination partner	Amount Salicis cortex in combination	Single dose Salicis cortex, Posology, Strength	Period of medicinal use (Reference # in table 1)
Sambuci flos	20-35 g (20-35%)	0.8-1.5 g, several times daily	12,14
Tiliae flos	1.2 g (60%)	1.2 g, 5 times daily	9
	20-35 g (20-35%)	0.8-1.5 g, several times daily	12,14
Summary	20-60%	Single dose: 0.8-1.5 g Frequency: several times daily Monograph: Adults and elderly SD: 1-3 g as an herbal infusion, 3 times daily or 4 g as a decoction, 3 times daily	

Table 13: Sambuci flos in combinations

Combination	Amount Sambuci	Period of	
partner	flos in	Posology, Strength	medicinal use
	combination		(Reference # in
Albinara	F - (F0/)	0.25 - 2.6	table 1)
Althaeae radix	5 (5 1.5)		1
=:::	0.075 g (5%)	0.075 g, 3 times daily	2,6
Filipendulae flos	30 g (30%)	1.2-1.5 g, several times daily	11
	20-30 g (20-30%)	0.8-1.5 g, several times daily	13
Foeniculi amari fructus	5 g (5%)	0.25 g, 3 times daily	1
	0.075 g (5%)	0.075 g, 3 times daily	2,6
Liquiritiae radix	5 g (5%)	0.25 g, 3 times daily	1
	0.075 g (5%)	0.075 g, 3 times daily	2,6
Plantaginis folium	5 g (5%)	0.25 g, 3 times daily	1
	0.075 g (5%)	0.075 g, 3 times daily	2,6
Polygoni avicularis	5 g (5%)	0.25 g, 3 times daily	1
herba	0.075 g (5%)	0.075 g, 3 times daily	2,6
Salicis cortex	cis cortex 20-40 g (20-40%) 0.8-2 g, several time:		12,15
	30-50 g (30-50%)	1.2-2.5 g, several times daily	14
Thymi herba	5 g (5%)	0.25 g, 3 times daily	1
	0.075 g (5%)	0.075 g, 3 times daily	2,6
	30-50 g (30-50%)	1.2-2.5 g, several times daily	
Tiliae flos	30 g (30%)	1.2-1.5 g, several times daily	11
	20-40 g (20-40%)	0.8-2 g, several times daily	12,15
	20-30 g (20-30%)	0.8-1.5 g, several times daily	13
Summary	5-50%	Single dose: 0.075-2.5 g	
		Frequency: several times daily	
		Monograph:	
		Adolescents, adults and elderly	
		SD: 2-5 g as a herbal infusion,	
		3 times daily	
		or	
		3-6 g as a decoction divided in	
		2 single doses	

Table 14: Thymi herba in combinations

Combination partner	Amount Thymi herba in combination	Single dose Thymi herba, Posology, Strength	Period of medicinal use (Reference # in table 1)
Althaeae radix	15 g (15%)	0.75 g, 3 times daily	1
	0.225 g (15%)	0.225 g, 3 times daily	2,6
	30 g (30%)	1.2-1.5 g, several times daily	16
Anisi fructus	0.55 g (27.5%)	0.55 g, 3 times daily	8
	10-30 g (10-30%) 0.4-1.5 g, several times daily		18
Foeniculi amari fructus	15 g (15%)	0.75 g, 3 times daily	1
	0.225 g (15%)	0.225 g, 3 times daily	2,6
	30 g (30%)	1.2-1.5 g, several times daily	16
	40 g (40%)	1.6-2 g, several times daily	17
	0.21 g (13.125%)	0.21 g, 4-6 times daily	20
Lichen islandicus	30 g (30%)	1.2-1.5 g, several times daily	16
	0.21 g (13.125%)	0.21 g, 4-6 times daily	20
Liquiritiae radix	15 g (15%)	0.75 g, 3 times daily	1

Combination	Amount Thymi	Single dose Thymi herba,	Period of
partner	herba in	Posology, Strength	medicinal use
	combination		(Reference # in
			table 1)
	0.225 g (15%) 0.225 g, 3 times daily		2,6
	30 g (30%)	1.2-1.5 g, several times daily	16
	40 g (40%)	1.6-2 g, several times daily	17
Plantaginis folium	15 g (15%)	0.75 g, 3 times daily	1
	0.225 g (15%)	0.225 g, 3 times daily	2,6
	30 g (30%)	1.2-1.5 g, several times daily	16
	40 g (40%)	1.6-2 g, several times daily	17
Polygoni avicularis	15 g (15%)	15 g (15%) 0.75 g, 3 times daily	
herba	0.225 g (15%)	0.225 g, 3 times daily	2,6
	0.21 g (13.125%)	0.21 g, 4-6 times daily	20
Primulae flos	0.21 g (13.125%)	0.21 g, 4-6 times daily	20
Salicis cortex	20-30 g (20-30%)	0.8-1.2 g, several times daily	14
Sambuci flos	15 g (15%)	0.75 g, 3 times daily	1
	0.225 g (15%)	0.225 g, 3 times daily	2,6
	20-30 g (20-30%)	0.8-1.2 g, several times daily	14,15
Tiliae flos	0.55 g (27.5%)	0.55 g, 3 times daily	8
	20-30 g (20-30%)	0.8-1.2 g, several times daily	15
	10-30 g (10-30%)	0.4-1.5 g, several times daily	18
	0.21 g (13.125%)	0.21 g, 4-6 times daily	20
Verbasci flos	0.21 g (13.125%)	0.21 g, 4-6 times daily	20
Summary	10-40%	Single dose: 0.21-2 g	
		Frequency: several times daily	
		Monograph:	
		Adolescents, adults and elderly	
		SD: 1-2 g, 3-4 times daily	

Table 15: Tiliae flos in combinations

Combination partner	Amount Tiliae flos in combination	Single dose Tiliae flos, Posology, Strength	Period of medicinal use
			(Reference # in
			table 1)
Anisi fructus	0.7 g (35%)	0.7 g, 3 times daily	8
	40-60 g (40-60%)	1.6-3 g, several times daily	18
Filipendulae flos	30 g (30%)	1.2-1.5 g, several times daily	11
	25-40 g (25-40%)	1-2 g, several times daily	13
Foeniculi fructus	0.19 g (11.875%)	0.19 g, 4-6 times daily	20
Lichen islandicus	0.19 g (11.875%)	0.19 g, 4-6 times daily	20
Polygoni avicularis	0.19 g (11.875%)	0.19 g, 4-6 times daily	20
herba			
Primulae flos	0.19 g (11.875%)	0.19 g, 4-6 times daily	20
Salicis cortex	0.04 g (2%)	0.04 g, 5 times daily	9
	20-40 g (20-40%)	0.8-2 g, several times daily	12
Sambuci flos	30 g (30%)	1.2-1.5 g, several times daily	11
	20-40 g (20-40%)	0.8-2 g, several times daily	12,15
	25-40 g (25-40%)	1-2 g, several times daily	13
Thymi herba	0.7 g (35%)	0.7 g, 3 times daily	8
	20-40 g (20-40%)	0.8-2 g, several times daily	15
	40-60 g (40-60%)	1.6-3 g, several times daily	18
	0.19 g (11.875%)	0.19 g, 4-6 times daily	20
Verbasci flos	0.19 g (11.875%)	0.19 g, 4-6 times daily	20

Combination partner	Amount Tiliae flos in combination	Single dose Tiliae flos, Posology, Strength	Period of medicinal use (Reference # in table 1)
Summary	2-60%	Single dose: 0.19-2 g Frequency: several times daily Monograph: Adolescents, adults and elderly SD: 1.5 g, 2-4 times daily DD: 3-6 g	

Table 16: Verbasci flos in combinations

Combination partner	Amount Verbasci flos in combination	Single dose Verbasci flos, Posology, Strength	Period of medicinal use (Reference # in table 1)
Althaeae radix	8 g (8%)	0.4 g, 3 times daily	7
Foeniculi fructus	8 g (8%) 0.06 g (3.75%)	0.4 g, 3 times daily 0.06 g, 4-6 times daily	7 20
Lichen islandicus	0.06 g (3.75%)	0.06 g, 4-6 times daily	20
Liquiritiae radix	8 g (8%)	0.4 g, 3 times daily	7
Plantaginis folium	8 g (8%)	0.4 g, 3 times daily	7
Polygoni avicularis herba	0.06 g (3.75%)	0.06 g, 4-6 times daily	20
Primulae flos	0.06 g (3.75%)	0.06 g, 4-6 times daily	20
Thymi herba	0.06 g (3.75%)	0.06 g, 4-6 times daily	20
Tiliae flos	0.06 g (3.75%)	0.06 g, 4-6 times daily	20
Summary	3.75-8%	Single dose: 0.046-0.4 g Frequency: 3-6 times daily Monograph: Adolescents, adults and elderly SD: 1.5-2 g, 3-4 times daily DD: 4.5-8 g	

Table 17: Combination of an herbal substance (left row) with other herbal substances (excipients excluded) based on documented traditional medicinal use. Numbers indicate the percentage of the herbal substance (instructions and an example how to apply the table are given on the following page).

	Althaeae radix	Anisi fructus	Filipendulae ulmariae flos	Foeniculi amari fructus	Lichen islandicus	Liquiritiae radix	Plantaginis Ianceolatae folium	Polygoni avicularis herba	Primulae flos	Salicis cortex	Sambuci flos	Thymi herba	Tilia flos	Verbasci flos	RANGE
Althaeae radix		15%		5-25%	25%	10- 25%	15- 23%	15%			15%	15- 25%		8%	5-25%
Anisi fructus	15%					15%						10- 40%	10- 40%		10-40%
Filipendulae ulmariae flos											20- 30%		20- 30%		20-30%
Foeniculi amari fructus	5- 10%				10- 15%	5-25%	5-25%	10- 15%	15%		10%	10- 25%	15%	5-15%	5-25%
Lichen islandicus	15%			11.25- 15%		15%	15%	11.25 %	11.25 %			11.25- 15%	11.25 %	11.25 %	11.25- 15%
Liquiritiae radix	15- 25%	25%		5-35%	10%		5-35%	5%			5%	5-35%		10%	5-35%
Plantaginis lanceolatae folium	5- 23%			5-40%	15%	5-40%		5%			5%	5-40%		23%	5-40%
Polygoni avicularis herba	10- 15%			10- 15%	11.87 %	10- 15%	10- 15%		11.87 %		10- 15%	10- 15%	11.87 %	11.87 %	10-15%
Primulae flos				6.25%	6.25%			6.25%				6.25%	6.25%	6.25%	6.25%
Salicis cortex											20- 35%		20- 60%		20-60%
Sambuci flos	5%		20- 30%	5%		5%	5%	5%		20- 50%		5-50%	20- 40%		5-50%
Thymi herba	15- 30%	10- 30%		13.12- 40%	13.12- 30%	15- 40%	15- 40%	13.12- 15%	13.12 %	20- 30%	15- 30%		10- 30%	13.12 %	10-40%
Tiliae flos		35- 60%	25- 40%	11.87 %	11.87 %			11.87 %	11.87 %	2-40%	20- 40%	11.87- 60%		11.87 %	2-60%
Verbasci flos	8%			3.75- 8%	3.75%	8%	8%	3.75%	3.75%			3.75%	3.75%		3.75-8%

#### How to use the information on traditional medicinal use of these combinations?

Evidence for combination: the filled fields in table 17 indicate combinations with evidence of traditional medicinal use. Example: Filipendulae ulmariae flos has evidence of combination with Sambuci flos and Tiliae flos. Out of these documented combinations the combination partners for an application for a traditional herbal medicinal product may be chosen.

Number of combination partners: The number of active substances in an herbal tea combination should be limited to a maximum of 4 based on the corresponding products and the references used for assessment. Further herbal substances may be added as excipients, their number, amount and function should be justified.

Amount of each herbal substance in the combination: The very right column indicates the traditional percentages of the herbal substance in the combinations. The calculation is based on those combination partners only, which are mentioned in the table. The amount in a traditional herbal medicinal product should be within this range. The sum of active ingredients should end up with 100%. Excipients are not considered in this range.

Example: Combination of Foeniculi amari fructus + Lichen islandicus + Liquiritiae radix + Sambuci flos. The combination should contain 5-25% Foeniculi amari fructus, 11.25-15% Lichen islandicus, 5-25% Liquiritiae radix, 5-50% Sambuci flos. Therefore, a combination of 20% Foeniculi amari fructus, 15% Lichen islandicus, 25% Liquiritiae radix and 40% Sambuci flos is covered by this assessment and by the EU herbal monograph.

#### Information from published European Union herbal monographs

#### Therapeutic indication

Table 18: Therapeutic indication for each active substance according to the EU herbal monographs

	Indication
Althaea radix  THMP used as a demulcent preparation for the symptomatic treatment oral or pharyngeal irritation and associated dry cough	
Anisi fructus	THMP used as an expectorant in cough associated with cold
Filipendulae ulmariae flos	THMP for the supportive treatment of common cold
Foeniculi amari fructus	THMP used as an expectorant in cough associated with cold
Lichen islandicus	THMP used as a demulcent for the symptomatic treatment of oral or pharyngeal irritation and associated dry cough
Liquiritiae radix	THMP used as an expectorant in cough associated with cold
Plantaginis lanceolatae folium	THMP as a demulcent for the symptomatic treatment of oral or pharyngeal irritations and associated dry cough
Polygoni avicularis herba	THMP used for the relief of symptoms of common cold
Primulae flos	THMP used as an expectorant in cough associated with cold
Salicis cortex	THMP used for the relief of fever associated with common cold
Sambuci flos	THMP used for the relief of early symptoms of common cold
Thymi herba	THMP used in productive cough associated with cold
Tiliae flos	THMP used for the relief of symptoms of common cold
Verbasci flos	THMP used to relieve symptoms of sore throat associated with dry cough and cold

Assessment for combinations: According to the indications of medicinal products on the market and the terminology of the EU herbal monographs already approved, the indication "Traditional herbal medicinal product used to relieve cough and symptoms associated with common cold" appears suitable to all combinations.

#### **Posology**

Based on the information from marketed products the single dose of herbal tea combinations is in the range between 1.5 and 5g. The single and daily dosages of most herbal substances are below the dosage's states in the EU herbal monographs for the single herbal substances. Thus, the single dose for the combinations should be set to about 1.5–5 g (active herbal substances, excluding excipients).

When the herbal substance percentage is below 10 in the combination it can be considered as excipient and thus, it is not taken in account for the daily frequency, which should be conditioned by a certain product. Only the daily dose is included.

The mean dosage frequency is 3 times daily. Nonetheless, many references do report a "several times daily" frequency which is reflected in the corresponding EU herbal monographs for the single herbal substances.

Combinations containing Althaeae radix, Anisi fructus, Foeniculi amari fructus, Lichen islandicus, Plantaginis lanceolatae folium, Polygoni avicularis herba, Primulae flos, Sambuci flos, Thymi herba, Tiliae flos and Verbasci flos can be given to Adolescents, adults and elderly.

The possible daily dosages of the herbal substances in combination products are below the maximum posology as given in the EU herbal monographs for the single active substances

The table 19 shows the posology for each one of the herbal substances when used alone or in combination products.

Table 19: Comparison of the daily dose in the combinations with the upper limit according to the EU herbal monographs

	Range in combinations	Single dose/ Frequency	Posology and maximum daily dose EU herbal monograph
Althaea radix	5-25%	Adolescents, adults and elderly Single dose: 0.75-1.25 g DD: 2.25-3.75 g Frequency: 3 times daily	Children 3-5 years of age SD: 0.5-1.0 g, 3 times daily DD: 1.5-3.0 g Children 6-11 years of age SD: 0.5-1.5 g, 3 times daily DD: 1.5-4.5 g Adolescents, adults and elderly SD:0.5-3 g, several times daily Max DD: 15 g
Anisi fructus	10-40%	Adolescents, adults and elderly SD: 0.4-2 g DD: 1.2-6 g Frequency: 3 times/several times daily	Adolescents, adults and elderly SD: 1- 3.5 g, 3 times daily
Filipendulae ulmariae flos	20-30%	SD: 0.8-1.5 g Frequency: several times daily	Adults, Elderly DD: 2.5-6 g, divided in 1- 3 single doses Max DD: 15 g
Foeniculi amari fructus	5-25%	SD: 0.15-1.25 g Frequency: 3 to several times daily	Adults and adolescents SD: 1.5 g, 3 times daily DD: 4.5 g  Children between 4 and 12 years of age SD: 1.0 g, 3 times daily DD: 3.0 g
Lichen islandicus	11.25-15%	SD: 0.18-0.75 g Frequency: several times daily	Adolescents, adults and elderly SD: 1.5 g, 3 to 4 times daily DD: 4-6 g
Liquiritiae radix	5-35%	SD: 0.075-1.25 g Frequency: 3 to several times daily	Adults and elderly SD: 1.5 g, 2 times daily
Plantaginis lanceolatae	5-40%	SD: 0.075-1.6 g	Adolescents, adults and

folium		Frequency: 3 to several times daily	elderly SD: 2 g, 2-3 times per day DD: 4-6 g
Polygoni avicularis herba	10-15%	SD: 0.15-0.225 g Frequency: 3-6 times daily	Adolescents, adults and elderly SD: 1.5-2 g, 3-4 times daily DD: 4.5-8 g
Primulae flos	6.25%	SD: 0.10 g Frequency: 4-6 times daily	Adolescents, adults and elderly SD: 1 g, 3 times daily
Salicis cortex	20-60%	SD: 0.8-1.5 g Frequency: several times daily	Adults and elderly SD: 1-3 g as an herbal infusion, 3 times daily or 4 g as a decoction, 3 times daily
Sambuci flos	5-50%	SD: 0.075-2.5 g Frequency: several times daily	Adolescents, adults and elderly SD: 2-5 g as an herbal infusion, 3 times daily or 3-6 g as a decoction divided in 2 single doses
Thymi herba	10-40%	SD: 0.21-2 g Frequency: several times daily	Adolescents, adults and elderly SD: 1-2 g, 3-4 times daily
Tiliae flos	2-60%	SD: 0.19-2 g Frequency: several times daily	Adolescents, adults and elderly SD: 1.5 g, 2-4 times daily DD: 3-6 g
Verbasci flos	3.75-8%	SD: 0.046-0.4 g Frequency: 3-6 times daily	Adolescents, adults and elderly SD: 1.5-2 g, 3-4 times daily DD: 4.5-8 g

### Age limits and Duration of use

Table 20: Age limits and Duration of use for each active substance according to the EU herbal monographs

	Age limits	Duration of use
Althaea radix		1 week
Anisi fructus		2 weeks
Foeniculi amari fructus		2 weeks
Lichen islandicus		1 week
Plantaginis lanceolatae folium		1 week
Polygoni avicularis herba	Adolescents, adults and elderly	1 week
Primulae flos		1 week
Sambuci flos		1 week
Thymi herba		1 week
Tiliae flos		1 week
Verbasci flos		1 week

Filipendulae ulmariae flos		1 week
Liquiritiae radix	Adults and elderly	1 week
Salicis cortex		3 days
Althaea radix	Children 3-5 years of age	1 week
	SD: $0.5-1.0$ g, 3 times daily	
	DD: 1.5-3.0 g	
	Children 6-11 years of age	
	SD: $0.5-1.5$ g, 3 times daily	
	DD: 1.5-4.5 g	
Foeniculi amari fructus	Children between 4 and 12 years of age SD: 1.0 g, 3 times daily DD: 3.0 g	1 week

#### ✓ Paediatric Population

There is very limited information for the paediatric use of herbal tea combinations in the therapeutic area 'cough and cold. Only some combinations including Althaea radix and Foeniculi amari fructus have been reported for the use in children below 12 years of age. This limit is also included in the corresponding EU herbal monographs. Thus, children between 4-12 years are included in the EU herbal monograph for Species pectorales combinations only when Althaea radix and Foeniculi amari fructus are the only active components.

#### ✓ Duration of Use

Duration of 1 week for every combination is justified taking in account the symptoms to be treated, the duration of use of the marketed combinations and the one included in the corresponding EU herbal monographs.

If the symptoms persist longer than 1 week during the use of the medicinal product, a doctor or a qualified health care practitioner should be consulted.

#### Contraindications, Special warnings and precautions for use and Interactions

Table 21: Contraindications, Special warnings and precautions for use and Interactions for each active substance according to the EU herbal monographs

	Contraindications	Special warnings	Interactions
Althaea radix	Hypersensitivity to the active substance	If dyspnoea, fever or purulent sputum occurs during the use of the medicinal product, a doctor or a qualified health care practitioner should be consulted.	None reported
		The use in children under 3 years of age is not recommended because of concerns requiring medical advice.	
Anisi fructus	Hypersensitivity to the active substance or to Apiaceae (Umbelliferae)		

	(caraway, celery,		
	coriander, dill and		
	fennel) or to		
	anethole.		
Filipendulae ulmariae flos	Hypersensitivity to	Concomitant use with	
	the active	salicylates and other	
	substance.	NSAIDs is not	
	Hypersensitivity to	recommended without	
	salicylates.	medical advice.	
		If fever exceeds 39°C,	
		persists or is	
		associated with severe	
		headache, or if	
		symptoms worsen	
		during the use of the	
		medicinal product, a	
		doctor or a qualified	
		health care	
		practitioner should be consulted	
Foeniculi amari fructus	Hypersensitivity to	The use in children	
. Jemean aman nactas	the active substance	between 4 and 12	
	or to Apiaceae	years of age is not	
	(Umbelliferae) family	recommended if the	
	(aniseed, caraway,	daily intake of	
	celery, coriander and	estragole exceeds the	
	dill) or to anethole.	guidance value of 1.0	
	Hypersensitivity to	μg/kg bw, unless	
	mugwort pollen, due to cross-reactivity	justified by a risk assessment based on	
	with fennel.	adequate safety data	
Lichen islandicus	Hypersensitivity to	If dyspnoea, fever or	
	the active	purulent sputum	
	substance(s)	occurs during the use	
		of the medicinal	
		product, a doctor or a	
		qualified health care practitioner should be	
		consulted.	
		consuited.	
		Absorption of	
		concomitantly	
		administered	
		medicinal products	
		may be delayed. As a	
		precautionary	
		measure, the product should not be taken ½	
		to 1 hour before or	
		after intake of other	
		medicinal products.	
Liquiritiae radix	Hypersensitivity to	Patients taking	Liquorice root may
	the active	liquorice medication	counteract
	substance(s)	should not take other	antihypertensive
		liquorice containing	action of prescribed
		products as serious	medications.
		adverse events may occur such as water	Not to be used
		retention,	concomitantly with
		hypokalemia,	diuretics, cardiac
		hypertension, cardiac	glycosides,
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		rhythm disorders.  Liquorice medication is not recommended to be used in patients affected by hypertension, kidney diseases, liver or cardiovascular disorders or hypokalemia, as they are more sensitive to the adverse effects of liquorice.  If dyspnoea, fever or purulent sputum occurs, a doctor or a qualified health care	corticosteroids, stimulant laxatives or other medications which may aggravate electrolyte imbalance
		practitioner should be consulted.	
Plantaginis lanceolatae folium	Hypersensitivity to the active substance	If dyspnoea, fever or purulent sputum occurs during the use of the medicinal product, a doctor or a qualified health care practitioner should be consulted.	None reported
Polygoni avicularis herba	Hypersensitivity to the active substance		
Primulae flos	Hypersensitivity to the active substance or to other Primulae species.	Caution is recommended in patients with gastritis or gastric ulcer.  If dyspnoea, fever or purulent sputum occurs, a doctor or a qualified health care practitioner should be consulted	
Salicis cortex	Hypersensitivity to the active substance.  Hypersensitivity to salicylates or to other NSAIDs (e.g. history of angioedema, bronchial spasm, or chronic urticaria in response to salicylates or to other NSAIDs).  Asthma due to sensitivity to salicylates.  Active peptic ulcer	If fever exceeds 39°C, persists or is associated with severe headache or if symptoms worsen during the use of the medicinal product, a doctor should be consulted.  Concomitant use with salicylates and other NSAIDs is not recommended without medical advice.	Willow bark may increase the effects of anticoagulants such as coumarin derivatives.

	disease.		
	Third trimester of pregnancy.		
	Glucose-6- phosphate dehydrogenase deficiency.		
	Children and adolescents under 18 years of age due to the risk of Reye's syndrome.		
	Severe liver or renal dysfunction.		
	Coagulation disorders.		
Sambuci flos	Hypersensitivity to the active substance(s)	If dyspnoea, fever or purulent sputum occurs, a doctor or a qualified health care practitioner should be consulted.	None reported
Thymi herba	Hypersensitivity to the active substance or to other plants of the Lamiaceae (Labiatae) family.	If dyspnoea, fever or purulent sputum occurs, a doctor or a qualified health care practitioner should be consulted.	
Tiliae flos	Hypersensitivity to the active substance(s)		
Verbasci flos	Hypersensitivity to the active substance(s)	If dyspnoea, fever or purulent sputum occurs, a doctor or a qualified health care practitioner should be consulted.	

#### All combinations have to include the **Contraindication**

Hypersensitivity to the active substance(s).

• Combinations containing Anisi fructus or Foeniculi amari fructus:

Additionally: Hypersensitivity to Apiaceae (Umbelliferae) family (caraway, celery, coriander, dill and fennel) or to anethole.

Combinations containing Foeniculi amari fructus:

Additionally: Hypersensitivity to mugwort pollen, due to cross-reactivity with fennel.

Combinations containing Filipendulae ulmariae flos:

Hypersensitivity to salicylates.

• Combinations containing Primulae flos:

Additionally: Hypersensitivity to other Primulae species.

Combinations containing Salicis cortex:

Additionally: Hypersensitivity to salicylates or to other NSAIDs (e.g. history of angioedema, bronchial spasm, or chronic urticaria in response to salicylates or to other NSAIDs). Asthma due to sensitivity to salicylates. Active peptic ulcer disease. Third trimester of pregnancy. Glucose-6-phosphate dehydrogenase deficiency. Children and adolescents under 18 years of age due to the risk of Reye's syndrome. Severe liver or renal dysfunction. Coagulation disorders.

• Combinations containing Thymi herba:

Additionally: Hypersensitivity to other plants of the Lamiaceae (Labiateae) family

Under the **Special warnings** section,

All combinations include:

If the symptoms worsen during the use of the medicinal product, a doctor or a qualified health care practitioner should be consulted.

Depending on the herbal substances included:

The use in children and adolescents under 18 years of age has not been established due to lack of adequate data.

Or

The use in children under 12 years of age has not been established due to lack of adequate data.

Or

The use in children under 3 years of age is not recommended because of concerns requiring medical advice.

• Combinations containing Salicis cortex

Children and adolescents under 18 years of age due to the risk of Reye's syndrome.

Combinations containing Althaea radix, Lichen islandicus, Liquiritiae radix, Plataginis folium,
 Primulae flos, Sanbuci flos, Thymi herba or Verbasci flos

If dyspnoea, fever or purulent sputum occurs during the use of the medicinal product, a doctor or a qualified health care practitioner should be consulted.

• Combinations containing Filipendulae ulmariae flos or Salicis cortex:

Concomitant use with salicylates and other NSAIDs is not recommended without medical advice. If fever exceeds 39°C, persists or is associated with severe headache, or if symptoms worsen during the use of the medicinal product, a doctor or a qualified health care practitioner should be consulted.

• Combinations containing Foeniculi amari fructus:

The use in children between 4 and 12 years of age is not recommended if the daily intake of estragole exceeds the guidance value of 1.0  $\mu$ g/kg bw, unless justified by a risk assessment based on adequate safety data

• Combinations containing Liquiritae radix:

Patients taking liquorice medication should not take other liquorice containing products as serious adverse events may occur such as water retention, hypokalaemia, hypertension, cardiac rhythm disorders. Liquorice medication is not recommended to be used in patients affected by hypertension, kidney diseases, liver or cardiovascular disorders or hypokalaemia, as they are more sensitive to the adverse effects of liquorice.

• Combinations containing Primulae flos:

Caution is recommended in patients with gastritis or gastric ulcer.

• Combinations containing Salicis cortex:

If fever exceeds 39°C, persists or is associated with severe headache or if symptoms worsen during the use of the medicinal product, a doctor should be consulted. Concomitant use with salicylates and other NSAIDs is not recommended without medical advice.

#### Under the Interactions section,

• All combinations except for those containing Liquiritiae radix and/or Salicis cortex have to include the sentence:

None reported.

• Combinations containing Liquiritiae radix:

Liquorice root may counteract antihypertensive action of prescribed medications. Not to be used concomitantly with diuretics, cardiac glycosides, corticosteroids, stimulant laxatives or other medications which may aggravate electrolyte imbalance

• Combinations containing Salicis cortex:

Willow bark may increase the effects of anticoagulants such as coumarin derivatives.

Table 22: Fertility, pregnancy and lactation; Effects on ability to drive and use machines

	Fertility, pregnancy and lactation	Effects on ability to drive and use machines
Althaea radix		
Anisi fructus	Safety during pregnancy and lactation	No studies on the effect on
Filipendulae ulmariae flos	has not been established. In the	the ability to drive and use
Lichen islandicus	absence of sufficient data, the use during pregnancy and lactation is not recommended.  No fertility data available.	machines have been performed
Plantaginis lanceolatae folium		
Polygoni avicularis herba		
Primulae flos		
Sambuci flos		
Thymi herba		
Tiliae flos		
Verbasci flos		

Foeniculi amari fructus	Safety during pregnancy and lactation has not been established (see sections 5.3 'Preclinical safety data' and 6 'Pharmaceutical particulars' regarding preclinical safety data related to the content of estragole).  In the absence of sufficient data, the use during pregnancy and lactation is not recommended.  There is evidence that trans-anethole is excreted in human breast milk.  No fertility data available.	
Liquiritiae radix	Studies in animals have shown reproductive toxicity. Not recommended (safety during pregnancy and lactation has not been established)  No fertility data available.	
Salicis cortex	The use during the first and second trimester of pregnancy and during lactation is not recommended. Salicylates cross the placenta and appear in breast milk.  Contraindicated in the third trimester of pregnancy.  No fertility data available.	

 All combinations except for those containing Foeniculi amari fructus, Liquiritiae radix and/or Salicis cortex:

Safety during pregnancy and lactation has not been established. In the absence of sufficient data, the use during pregnancy and lactation is not recommended.

No fertility data available.

• Combinations containing Foeniculi amari fructus:

Safety during pregnancy and lactation has not been established (see sections 5.3 'Preclinical safety data' and 6 'Pharmaceutical particulars' regarding preclinical safety data related to the content of estragole).

In the absence of sufficient data, the use during pregnancy and lactation is not recommended.

There is evidence that trans-anethole is excreted in human breast milk.

No fertility data available.

• Combinations containing Liquiritiae radix:

Studies in animals have shown reproductive toxicity.

Not recommended (safety during pregnancy and lactation has not been established).

No fertility data available.

Combinations containing Salicis cortex:

The use during the first and second trimester of pregnancy and during lactation is not recommended. Salicylates cross the placenta and appear in breast milk.

Contraindicated in the third trimester of pregnancy.

No fertility data available.

### Under the Effects on ability to drive and use machines section,

All combinations:

No studies on the effect on the ability to drive and use machines have been performed.

Table 23: Undesirable effects and Overdose

	Undesirable effects	Overdose
Althaea radix		
Filipendulae ulmariae flos	None known	No case of overdose has been
Lichen islandicus		reported
Plantaginis lanceolatae folium		
Polygoni avicularis herba		
Sambuci flos		
Tiliae flos		
Verbasci flos		
Anisi fructus	Allergic reactions to aniseed affecting the skin or the respiratory system may occur. The frequency is not known.	
Foeniculi amari fructus	Allergic reactions to fennel, affecting the skin or the respiratory system may occur. The frequency is not known.	
Liquiritiae radix	None known	Cases of overdose have been reported with prolonged use (more than 4 weeks) and/or intake of high amount of liquorice, with symptoms such as water retention, hypokalaemia, hypertension, cardiac rhythm disorders, hypertensive encephalopathy.
Primulae flos	Allergic reactions may occur. The frequency is not known.	Overdose may lead to stomach upset, vomiting or diarrhoea.
Salicis cortex	Allergic reactions such as rash, pruritis, urticaria, asthma, exanthema and gastrointestinal symptoms such as, nausea, vomiting, abdominal pain, diarrhea, dyspepsia, heartburn, may occur. The frequency is not known.	No case of overdose has been reported
Thymi herba	Gastric disorders may occur. The frequency is not known	

#### For **Undesirable effects**,

 Combinations containing Althaeae radix, Filipendulae ulmariae flos, Lichen islandicus, Liquiritiae radix, Plantaginis lanceolatae folium, Polygoni avicularis herba, Sambuci flos, Tiliae flos, Verbasci flos:

None known.

If adverse reactions occur, a doctor or a qualified health care practitioner should be consulted.

Combinations containing Anisi fructus:

Allergic reactions to aniseed affecting the skin or the respiratory system have been reported. The frequency is not known. If other adverse reactions not mentioned above occur, a doctor or a qualified health care practitioner should be consulted.

Combinations containing Foeniculi amari fructus:

Allergic reactions to fennel, affecting the skin or the respiratory system may occur. The frequency is not known. If other adverse reactions not mentioned above occur, a doctor or a qualified health care practitioner should be consulted.

Combinations containing Primulae flos:

Allergic reactions may occur. The frequency is not known. If other adverse reactions not mentioned above occur, a doctor or a qualified health care practitioner should be consulted.

• Combinations containing Salicis cortex:

Allergic reactions such as rash, pruritis, urticaria, asthma, exanthema and gastrointestinal symptoms such as, nausea, vomiting, abdominal pain, diarrhea, dyspepsia, heartburn, may occur. The frequency is not known. If other adverse reactions not mentioned above occur, a doctor or a qualified health care practitioner should be consulted.

• Combinations containing Thymi herba:

Gastric disorders may occur. The frequency is not known. If other adverse reactions not mentioned above occur, a doctor or a qualified health care practitioner should be consulted.

#### Under the **Overdose** section,

• All combinations except for those containing Liquiritiae radix and/or Primulae flos:

No case of overdose has been reported.

Combinations containing Liquiritiae radix:

Cases of overdose have been reported with prolonged use (more than 4 weeks) and/or intake of high amount of liquorice, with symptoms such as water retention, hypokalaemia, hypertension, cardiac rhythm disorders, hypertensive encephalopathy.

Combinations containing Primulae flos:

Overdose may lead to stomach upset, vomiting or diarrhoea.

#### Preclinical safety data

#### Fertility, pregnancy and lactation

Combinations containing Filipendulae ulmariae flos, Lichen islandicus, Polygoni avicularis herba,
 Primulae flos, Salicis cortex, Sambuci flos:

Tests on reproductive toxicity, genotoxicity and carcinogenicity have not been performed.

• Combinations containing Althaea radix, Plantaginis lanceolatae folium, Tiliae flos:

Adequate tests on genotoxicity have not been performed.

Tests on reproductive toxicity and carcinogenicity have not been performed.

Combinations containing Thymi herba, Verbasci flos:

Adequate tests on reproductive toxicity, genotoxicity and carcinogenicity have not been performed.

Combinations containing Anisi fructus

An aniseed extract prepared with water was tested in an Ames test on Salmonella typhimurium strains TA98, TA100, TA102 and turned out as negative.

Results from non-clinical studies showed a weak mutagenic potential of anethole. Anethole and its metabolites are unlikely to be genotoxic in vivo.

The genotoxic risk related to estragole is not considered to be relevant in the specified conditions of use (short term use in adolescents, adults and elderly) due to the small amount present in herbal infusions prepared from aniseed.

Combinations containing Foeniculi amari fructus

A fennel aqueous extract was tested in an Ames test on Salmonella typhimurium strains TA98, TA100 and turned out as negative. Results from studies carried out in laboratory animals showed a weak mutagenic activity of anethole.

Several studies have shown the carcinogenic effects of estragole and some of its metabolites in mice (liver tumours) and displayed suggestive but indirect evidence of carcinogenicity in rats. Estragole is considered a genotoxic carcinogen in rodents (see section 6 'Pharmaceutical part iculars' for further details).

An aqueous extract of fennel seeds given daily to 24 female BALB/c mice from day 6 to day 15 of pregnancy showed a dose-dependent teratogenic effect. The embryotoxic effect resulted in morphological changes, skeletal disorders, and cellular alterations.

Adequate tests on reproductive toxicity have not been performed.

Combinations containing Liquiritiae radix

The risks related to Liquiritiae radix as described in the single EU herbal monograph are not considered in the present monograph because they are not considered to be relevant in the specified conditions of use due to the small amount present in herbal infusions prepared with such herbal substance.

#### Pharmaceutical particulars

Combinations containing Foeniculi amari fructus:

In the general population, exposure to estragole should be kept as low as practically achievable. In pregnant and breast-feeding women, the daily intake of estragole has to be below 0.05 mg/person per day. In children below 12 years of age, the daily intake of estragole has to be below 1.0  $\mu$ g/kg bw.

For further details see "Public statement on the use of herbal medicinal products containing estragole" (EMA/HMPC/137212/2005).

#### 3. Non-Clinical Data

Please refer to the assessment reports of the individual herbal substances.

For further information on products containing estragole (i.e. combinations including Foeniculi amari fructus), "Public statement on the use of herbal medicinal products containing estragole" (EMA/HMPC/137212/2005).

#### 4. Clinical Data

Please refer to the assessment reports of the individual herbal substances.

### 5. Clinical Safety/Pharmacovigilance

Please refer to the assessment reports of the individual herbal substances.

#### 6. Overall conclusions

The following herbal substances, for which a EU herbal monograph has been established, are traditionally used in herbal tea combinations with the a therapeutic indication related to the relief of symptoms related to cold or common cold such as cough: Althaea officinalis L., radix; Cetraria islandica (L.) Acharius s.l., thallus; Filipendula ulmaria (L.) Maxim., flos; Foeniculum vulgare Miller subsp. vulgare var. vulgare, fructus; Glycyrrhiza glabra L.; Gycyrrhiza inflata Bat.; Glycyrrhiza uralensis Fisch., radix; Plantago lanceolata L., folium; Pimpinella anisum L., fructus; Polygonum aviculare L., herba; Primula veris L.; Primula elatior (L.) Hill, flos; Salix [various species including S. purpurea L.; S. daphnoides Vill.; S. fragilis L.], cortex; Sambucus nigra L., flos; Thymus vulgaris L.; Thymus zygis L., herba; Tilia cordata Miller; Tilia platyphyllos Scop.; Tilia x vulgaris Heyne, flos; Verbascum thapsus L.; V. densiflorum Bertol. (V. thapsiforme Schrad); V. phlomoides L, flos.

The evidence on traditional medicinal use of the single herbal substances is discussed and justified in the corresponding assessment reports. The evidence on traditional medicinal use of the combinations is based on marketed products in the member states, on monographs in national pharmacopoeias, on standard marketing authorisations and on publications.

Based on the composition of traditionally used combinations a matrix is developed indicating what herbal substances are traditionally combined and in what percentage they are traditionally combined. This matrix can be used as basis for evidence of traditional medicinal use for individual applications for registration as traditional herbal medicinal product.

The traditional medicinal use is plausible due to the longstanding medicinal use in the proposed indication: "Traditional herbal medicinal product used to relieve cough and symptoms associated with common cold".

The safety of the individual herbal substances has been assessed in the assessment reports published together with the respective EU herbal monographs. Potential risks and undesirable effects are properly addressed in the proposed EU herbal monograph for the combinations. Based on the longstanding medicinal use no potentiation of undesirable effects due to the combination is to be expected.

Depending on the safety data of the individual herbal substances the medicinis for adults and elderly or for adolescents and adults.	nal use of the combinations
A EU list entry is not supported due to lack of adequate data on genotoxicity	

## **Annex**

List of references