# **Echinacea Angustifolia**

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ECHINACEA - ECHINACEA ANGUSTIFOLIA Help on accessing alternative formats, such as Portable Document Format ( PDF ), Microsoft Word and PowerPoint ( PPT ) files, can be obtained in the alternate format help section. (PDF Version - 121 KB) This monograph is intended to serve as a guide to industry for the preparation of Product Licence Applications (PLAs) and labels for natural health product market authorization. It is not intended to be a comprehensive review of the medicinal ingredient. Notes Text in parentheses is additional optional information which can be included on the label at the applicant's discretion. The solidus (/) indicates that the terms and/or statements are synonymous. Either term or statement may be selected by the applicant on the label. Date March 28, 2025 Proper name(s), Common name(s), Source information Table 1. Proper name(s), Common name(s), Source information Proper name(s) Common name(s) Source information Source material(s) Part(s) Preparation(s) Echinacea angustifolia Black sampson Black-sampson echinacea Echinacea Kansas snakeroot Narrow-leaf coneflower Narrow-leaf echinacea Narrow-leaf purple-coneflower Echinacea angustifolia Root Rhizome Dry References: Proper name: USDA 2024; Common names: USDA 2024; Gardner and McGuffin 2013; Bradley 1992; Source information: Barnes et al. 2007; Grieve 1971. Route of Administration Oral Dosage Form(s) This monograph excludes foods or food-like dosage forms as indicated in the Compendium of Monographs Guidance Document. Acceptable dosage forms by age group: Children 2 years: The acceptable dosage forms are limited to emulsion/suspension and solution/liquid preparations (Giacoia et al. 2008; EMA/CHMP 2006). Children 3-5 years: The acceptable dosage forms are limited to chewables, emulsion/suspension, powders and solution/liquid preparations (Giacoia et al. 2008; EMA/CHMP 2006). Children 6-11 years, Adolescents 12-17 years, and Adults 18 years and older: The acceptable dosage forms for oral use are indicated in the dosage drop-down list of the web-based Product Licence Application form for Compendial applications. Use(s) or Purpose(s) (Traditionally) used in Herbal Medicine to help relieve the symptoms of upper respiratory tract infections (Barnes et al. 2007; Blumenthal et al. 2000; Ellingwood 1983; Felter and Lloyd 1983; Grieve 1971). (Traditionally) used in Herbal Medicine to help relieve sore throats (Blumenthal et al. 2000; Moerman 1998). Notes: The above uses can be combined on the product label if from the same traditional or non-traditional system of medicine (e.g., Traditionally used in Herbal Medicine to help relieve the symptoms of upper respiratory tract infections and sore throats). For multi-ingredient products: To prevent the product from being represented as a "traditional medicine", any indicated traditional use claim must refer to the specific medicinal ingredient(s) and recognized system of medicine from which the claim originates when 1) both traditional and modern claims are present or 2) when claims originate from multiple systems of traditional medicine (e.g., Echinacea is traditionally used in Herbal Medicine to help relieve sore throats). When ALL of the medicinal ingredients (MIs) in the product are used within the same identified system of traditional medicine AND the product makes ONLY traditional claims, listing of MIs in the traditional claim(s) is not required. Dose(s) Subpopulation(s) As specified below. Quantity(ies) Dry, Powdered, Non-Standardized Extracts (Dry extract\*, Tincture, Fluid extract, Decoction, Decoction concentrate, Infusion, Infusion concentrate) Table 2. Dose information (grams) for Echinacea dried root and/or rhizome per day Subpopulation(s) 1,2 Dried root/rhizome (g/day) Minimum Maximum Children 2-4 years 0.17 g 0.5 g 5-9 years 0.25 g 0.8 g 10-11 years 0.5 g 1.5 g Adolescents 12-14 years 0.5 g 1.5 g 15-17 years 1.0 g 3.0 g Adults 18 years and older 1.0 g 3.0 g 1 Children and adolescent doses were calculated as a proportion of the adult dose (JC 2023). The use of Echinacea angustifolia in children is supported by the following references: McIntyre 2005; Bove 2001; Schilcher 1997. 2 Adult dose supported by the following references: Barnes et al. 2007; Blumenthal et al. 2000; Bradley 1992. Note: Solvents allowed for the method of preparation "Non-standardized extracts (Dry extract)" as part of this monograph are ethanol and/or water only. Direction(s) for use No statement required. Duration(s) of Use Ask a health care practitioner/health care provider/health care professional/doctor/physician for use beyond 8 weeks (Brinker 2010). Risk Information Caution(s) and warning(s) Ask a health care practitioner/health care provider/health care professional/doctor/physician if symptoms persist or worsen. Ask a health care practitioner/health care provider/health care professional/doctor/physician before use if you have a progressive systemic disease such as tuberculosis, collagenosis, multiple sclerosis, or an immune system disorder (Gardner and McGuffin 2013; Brinker 2010). Ask a health care practitioner/health care provider/health

care professional/doctor/physician before use if you are taking medications to suppress the immune system (Brinker 2010; Mills and Bone 2005). Contraindication(s) No statement required. Known adverse reaction(s) No statement required. Non-medicinal ingredients Must be chosen from the current Natural Health Products Ingredients Database (NHPID) and must meet the limitations outlined in the database. Storage conditions Must be established in accordance with the requirements described in the Natural Health Products Regulations . Specifications The finished product specifications must be established in accordance with the requirements described in the Natural and Non-prescription Health Products Directorate (NNHPD) Quality of Natural Health Products Guide. The medicinal ingredient must comply with the requirements outlined in the NHPID. Example of Product Facts: Consult the Guidance Document, Labelling of Natural Health Products for more details. 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## **DOSAGE FORM(S)**

Acceptable dosage forms by age group: Children 2 years:The acceptable dosage forms are limited to emulsion/suspension and solution/liquid preparations (Giacoia et al. 2008; EMA/CHMP 2006). Children 3-5 years:The acceptable dosage forms are limited to chewables, emulsion/suspension, powders and solution/liquid preparations (Giacoia et al. 2008; EMA/CHMP 2006). Children 6-11 years, Adolescents 12-17 years, and Adults 18 years and older:The acceptable dosage forms for oral use are indicated in the dosage drop-down list of the web-based Product Licence Application form for Compendial applications.

#### **RISK INFORMATION**

Caution(s) and warning(s) Ask a health care practitioner/health care provider/health care professional/doctor/physician if symptoms persist or worsen. Ask a health care practitioner/health care provider/health care professional/doctor/physician before use if you have a progressive systemic disease such as tuberculosis, collagenosis, multiple sclerosis, or an immune system disorder (Gardner and McGuffin 2013; Brinker 2010). Ask a health care practitioner/health care provider/health care professional/doctor/physician before use if you are taking medications to suppress the immune system (Brinker 2010; Mills and Bone 2005). Contraindication(s) No statement required. Known adverse reaction(s) No statement required.

#### NON-MEDICINAL INGREDIENTS

Must be chosen from the current Natural Health Products Ingredients Database (NHPID) and must meet the limitations outlined in the database. Storage conditions Must be established in accordance with the requirements described in the Natural Health Products Regulations.

## STORAGE CONDITION(S)

Must be established in accordance with the requirements described in the Natural Health Products Regulations.

#### **SPECIFICATIONS**

The finished product specifications must be established in accordance with the requirements described in the Natural and Non-prescription Health Products Directorate (NNHPD) Quality of Natural Health Products Guide. The medicinal ingredient must comply with the requirements outlined in the NHPID. Example of Product Facts: Consult the Guidance Document, Labelling of Natural Health Products for more details.

### **REFERENCES**

Route of Administration Oral

Proper name(s)	Common name(s)	Source information		
Source material(s)	Part(s)	Preparation(s)		
Echinacea angustifolia	Black sampsonBlack-sampson echinaceaE	cherchoine a tream sansus satallodia cot Narrow-leaf o	o Recitot Rule iz transe w-le	a <b>fDerg</b> hi

1,2	Dried root/rhizome (g/day)							
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Maximum							
2-4 years	0.17 g	0.5 g					
12-14 years	0.5 g	1.5 g	15-17 years	1.0 g	3.0 g	Adults	18 years and older
12-14 years	0.5 g	1.5 g					