



Artichoke extract

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Food Vegetable

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Artichoke is a perennial plant

Related to thistle which is a group of a flowering plant.

Artichoke extract is derived from leaves of plant and is majorly available in the form of powder.

Phenolic content of artichoke is high in the leaves when compared to the other parts which can soluble in solvents such as n-butanol solution.

It is a highly rich source of flavonoids and antioxidants which is beneficial to regulate blood pressure, control cholesterol level and other health benefits.



The globe artichoke, also known as French artichoke and green artichoke in the USA, is a variety of a species of thistle cultivated as a food. The edible portion of the plant consists of the flower buds before the flowers come into bloom

Artichoke extract contains essential bile driving substances such as chlorogenic acid and cynarine which helps in protecting the liver.



Extraction Protocols

Extraction Protocols

Infusion: 100 g of artichoke wastes (fresh leaves and roots) were extracted with boiling water for 10 minutes. The filtrate was evaporated under reduced pressure at 55 °C.

Methanol Extract. 100 g of artichoke waste either leaves or roots (fresh weight) were extracted with cold methanol for 5 days. The extract was filtered, and the methanol was removed under reduced pressure at 40 °C.

Water extract: A quantity of 100 g of either leaves or roots was subjected to extraction by maceration with cold water for 5 days. The filtrate was evaporated under reduced pressure at 55 °C.



Certificate of Analysis

COA

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Certificate of Analysis

(Representative Sample Certificate)

Product Name: Artichoke Leaf Extract

INCI Name: Propanediol, water, glycerin, Cynara Scolymus (Artichoke) leaf extract, sodium benzoate, gluconolactone, and gluconolactone

CAS Number: 504-63-2, 7732-18-5, 56-81-5, 84012-14-6, 532-32-1, 90-80-2, 299-28-5

Lot Number: Not available (data may vary slightly with different lots or batches)

Expiration Date: 24 months from production date

Specification	Range	Actual
Appearance	Transparent slightly turbid liquid	Pass
Color	Brown	Pass
Density at 20°C	1.09-1.130	1.111 g/ml



Patent

Extraction Process

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(12) **EUROPEAN PATENT SPECIFICATION**

(45) Date of publication and mention of the grant of the patent: 12.12.2012 Bulletin 2012/50	(51) Int Cl.: A23L 1/30 ^(2006.01) B01D 61/02 ^(2006.01) B01D 61/58 ^(2006.01) A61Q 19/00 ^(2006.01)	A61K 36/28 ^(2006.01) B01D 61/14 ^(2006.01) A61K 8/97 ^(2006.01) B01D 63/10 ^(2006.01)
(21) Application number: 08738428.5	(86) International application number: PCT/IT2008/000135	
(22) Date of filing: 28.02.2008	(87) International publication number: WO 2008/105023 (04.09.2008 Gazette 2008/36)	

(54) **PROCESS FOR PRODUCING REFINED NUTRACEUTIC EXTRACTS FROM ARTICHOKE WASTE AND FROM OTHER PLANTS OF THE CYNARA GENUS**

VEFAHREN ZUR HERSTELLUNG RAFFINIERTER NUTRAZEUTISCHER EXTRAKTE AUS ARTISCHOCKENRESTEN UND ANDEREN DISTELGEWÄCHSEN

PROCÉDÉ DE PRODUCTION D'EXTRAITS NUTRACEUTIQUES RAFFINÉS À PARTIR DES DÉCHETS D'ARTICHAUT ET À PARTIR D'AUTRES PLANTES DU GENRE CYNARA

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Key Players

Companies

The key market players that are involved in the artichoke extract market include Nutra Green Biotechnology Co. Ltd., Gaia Herbs, Inc., Jiaherb, Inc., Hawaii Pharm LLC, and Nature's Way Products, LLC.



Products In the Market

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NusaPure Artichoke Leaf Extract 1000MG 200 CAPSULES

Artichoke Leaf Extract (VitaminLife) (Cynara scolymus) 60 CAPSULES



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