

Beta Carotene

Presentation by

Primary Information Services

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Beta Carotene

Beta carotene is an antioxidant that converts to vitamin A and plays a very important role in health. It's responsible for the red, yellow, and orange coloration of some fruits and veggies

What is it ?

Beta-carotene is one of a group of red, orange, and yellow pigments called carotenoids. Beta-carotene and other carotenoids provide approximately 50% of the vitamin A

Beta-carotene can be found in fruits, vegetables, and whole grains. It can also be made in a laboratory.

Data Base – to order

The screenshot shows a web browser window with the URL <https://www.primaryinfo.com/betacarotene.htm>. The page content is as follows:

Beta-Carotene

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Content Headlines of CD ROM

<h3>Information Profile @ a Glance</h3> <p>Beta-carotene</p> <ul style="list-style-type: none">The beta-carotene colorant available today is either an extract taken from a number of natural sources, such as palm oil, algae and carrots, or is made synthetically. The latter form is an approved “colorant not requiring certification,” but its use in an “all-natural” product depends on the manufacturer’s definition of natural.Both natural and synthetic beta-	<h4>About Beta-Carotene</h4> <ul style="list-style-type: none">about Beta-CaroteneBeta-CaroteneCarotenoids Contents from Various Sources and Their Potential Health ApplicationsFood Applications of Natural Carotene & Tocotrienol Rich Oils & FatsNatural Carotenoids <h4>Technology, Patents & Consultants</h4> <ul style="list-style-type: none">Chennai ConsultantsTechnical BulletinThe Carotenoid Project	<h4>Raw Materials Scenario</h4> <ul style="list-style-type: none">Palm oilPalm oil CouncilPalm Oil and Its Global Supply and Demand ProspectsIndonesia palm oil exportsTrans FatFresh CarrotsTechnology for production of a high level of beta carotene in tomatoesBioprex's Beta-Carotene: Natural Mixed Carotenoids from <i>Dunaliella salina</i> <h4>Extract</h4>
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The Windows taskbar at the bottom shows the date as 20-07-2019 and the time as 09:36.

Literature Survey

Web MD Beta-Carotene: Uses, Side Effects x Primary Information services:Trad x "Beta-Carotene" - Google Search x +

← → ↻ https://www.google.com/search?q="Beta-Carotene+"&lr=&source=lnms&tbm=isch&sa=X&ved=0ahUKewiDmZ3q0... ☆ 📄 📧

📱 Apps 🌐 informer 📧 Outlook Mail 📧 Gmail 🌐 Primary Info 🌐 Google Advanced S... 🌐 New Tab 📶 The fastest free You... 📄 Convert HTML to P...

Ingredients -- Beta carotene
sci-toys.com

Beta Carotene, Drum, Packaging Type: ...
indiamart.com

Foods for Boosting Beta-Carotene ...
blog.contentbeautywellbeing.com

beta-carotene in carrot is...
vectorstock.com

Beta-carotene (vitamin A) Structural ...
123rf.com

Related searches

- structure beta carotene >
- skin beta carotene >
- beta carotene molecule >

Beta-Carotene | Helena Thai La...
helena-thai.com

Beta Carotene 25000IU 100...
amazon.com

100tablets Contains

Type here to search

52

09:43
20-07-2019

Literature Survey

Patents

The screenshot shows a web browser window with the following tabs: Primary Information services:Trad, freepatentsonline - Yahoo India S, and FPO IP Research & Communities. The address bar shows the URL: www.freepatentsonline.com/result.html?sort=relevance&srch=top&query_txt=beta+carotene&submit=&pa... The browser's taskbar at the bottom shows various applications like Outlook Mail, Gmail, and Chrome. The main content is a table of search results for beta-carotene patents.

Patent No.	Title	Description	Count
5310554	High purity beta-carotene	Compositions of high-purity natural beta-carotene and of the 9-cis isomer of beta-carotene are provided, as are methods for the production of these compositions from plant matter, conveniently...	999
5612485	High cis beta-carotene composition	A carotenoid composition derived from a natural source wherein at least 50% by weight of the carotenoid content of the composition is cis beta-carotene and preferably 9 cis beta-carotene....	880
US20160000727	BETA CAROTENE PREPARATION	An aqueous emulsion for use in veterinary medicine which contains beta carotene and can be administered parenterally from a sterile multi-dose container contains acetylcysteine in an amount of...	852
4439629	Extraction process for beta-carotene	A process for extracting either or both beta-carotene or glycerine from algae containing these substances, especially from algae of the genera Dunaliella.	822
US20070259079	COMPOSITIONS COMPRISING COLOR STABLE BETA CAROTENE	The subject invention provides a method for producing color stable suspensions comprising beta carotene. Such color stable suspensions are useful in any situation where the color of beta carotene...	820
US20020082306	Aqueous formulation of beta carotene	An aqueous formulation of beta-carotene that is suitable for use in veterinary medicine contains polyoxyethylene-660-hydroxystearate and/or isopropyl myristate as a mediator	818

Literature Survey

Web MD Beta-Carotene: Uses, Side Effects x Primary Information services:Trad x \\SULFUR\SAFETY_PUBLIC\REFMI x +

← → ↻ https://www.caymanchem.com/msdss/16837m.pdf ☆ [Icons] [Profile]

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\\SULFUR\SAFETY_PUBLIC\REFMIRS\temp\16837_EN.FRX 1 / 6 [Refresh] [Download] [Print]

SAFETY DATA SHEET
.beta.-Carotene

Page: 1 of 6
Revision: 03/27/2019
Supersedes Revision: 02/14/2015

according to Regulation (EC) No. 1907/2006 as amended by (EC) No. 2015/830 and US OSHA HCS 2015

Section 1. Identification of the Substance/Mixture and of the Company/Undertaking

1.1	Product Code:	16837
	Product Name:	.beta.-Carotene
	Synonyms:	.beta.,.beta.-carotene; Food Orange 5; KPMK; Lucarotin; NSC 62794; Provatene; Provitamin A; Solatene;
1.2	Relevant identified uses of the substance or mixture and uses advised against:	
	Relevant identified uses:	For research use only, not for human or veterinary use.
1.3	Details of the Supplier of the Safety Data Sheet:	
	Company Name:	Cayman Chemical Company 1180 E. Ellsworth Rd. Ann Arbor, MI 48108
	Web site address:	www.caymanchem.com
	Information:	Cayman Chemical Company +1 (734)971-3335
1.4	Emergency telephone number:	
	Emergency Contact:	CHEMTREC Within USA and Canada: +1 (800)424-9300 CHEMTREC Outside USA and Canada: +1 (703)527-3887

Windows Taskbar: Type here to search [Icons] 09:48 20-07-2019 [19]

Literature Survey

list-suppliers.pdf - Adobe Acrobat Reader DC

File Edit View Window Help

Home Tools list-suppliers.pdf x

Home > Nutraceuticals & Dietary Supplements > Dietary Supplements > Beta Carotene

Beta Carotene

(223 products available)

Location: Enter city | Near Me | All India | Mumbai | Bengaluru | Ahmedabad | Chennai | Chandigarh | Delhi | Hyderabad

Results With: Price

Related Category: Lycopene, Nutraceuticals, Softgel Capsules, Lycopene Capsule, Food Colors, Synthetic Food Color, Blended Food Colors, Natural Food Colours, Primary Food Colors, Ferrous Lactate, Dietary Supplements, Calcium Pantothenate, Calcium Succinate, Choline Citrate

Red Beta Carotene, Packaging Type: Packets
Rs 7,800/ Kilogram [Get Latest Price](#)
Packaging Size: 25 KG
Packaging Type: Packets
Form: Powder
Color: Red
Chemical formula: C40H56
read more...

Natural Beta Carotene Powder, 5 Kgs
Rs 7,000/ Kilogram(s) [Get Latest Price](#)
Form: Powder
Packaging Type: HDPE Drum
Botanical Source: Dunaliella Salina Algae
Packaging Size: 5 Kgs
Assay: 10%, 20%, 30%
Color: Red
read more...

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Regulations

https://www.ecfr.gov/cgi-bin/text-idx?SID=a6aadb7d69ee735cc56574624eab14aa&mc=true&node=se21.1.73_195&rgn=div8

The screenshot shows a web browser window with the URL https://www.ecfr.gov/cgi-bin/text-idx?SID=a6aadb7d69ee735cc56574624eab14aa&mc=true&node=se21.1.73_195&rgn=div8. The page is from the Government Publishing Office (GPO) and displays e-CFR data current as of July 18, 2019. The breadcrumb trail is: Title 21 → Chapter I → Subchapter A → Part 73 → Subpart A → §73.95. The main content area shows the title "PART 73—LISTING OF COLOR ADDITIVES EXEMPT FROM CERTIFICATION" and "Subpart A—Foods". The specific regulation is "§73.95 β-Carotene." with two paragraphs: (a) Identity and (b) Specifications. The left sidebar contains navigation aids such as "Browse / Search Previous", "e-CFR Navigation Aids", "Advanced Search", and "Related Resources". The Windows taskbar at the bottom shows the time as 09:59 on 20-07-2019.

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Electronic Code of Federal Regulations
e-CFR™

Related Resources

e-CFR data is current as of July 18, 2019

[Title 21](#) → [Chapter I](#) → [Subchapter A](#) → [Part 73](#) → [Subpart A](#) → [§73.95](#)

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Title 21: Food and Drugs
[PART 73—LISTING OF COLOR ADDITIVES EXEMPT FROM CERTIFICATION](#)
[Subpart A—Foods](#)

§73.95 β-Carotene.

(a) *Identity.* (1) The color additive is β-carotene prepared synthetically or obtained from natural sources.

(2) Color additive mixtures for food use made with β-carotene may contain only diluents that are suitable and that are listed in this subpart as safe in color additive mixtures for coloring foods.

(b) *Specifications.* β-carotene shall conform to the following specifications:

Physical state, solid.

1 percent solution in chloroform, clear.

Loss of weight on drying, not more than 0.2 percent.

Questions ?

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