

Discussion on the Comprehensive Utilization of Sea Buckthorn

Huiping, Luo

PART 1
Powdery Group

PART 2
**Comprehensive
Utilization**

Nutritious and healthy
raw materials and
professional product
service solutions



01

Powdery Group

- Plant Base
- Production Line Craft and Equipment
- Materials and Products
- Co-op Mode



Zhangbei Seabuckthorn Planting Base

- Wild sea buckthorn
- Covering an area of 600000 acres
- 100000 mu acres certified organic products by China and Japan



Materials and Products

- Seabuckthorn Fruit
- Sea Buckthorn Juice
- Sea Buckthorn Whole Berry Oil
- Organic certification in China, the United States, Japan, and the European Union.




有机产品

认证委托人/生产者/种植者/经销商 宝得瑞
加工企业名称 宝得瑞
地址 河北省石家庄市
认证依据: GB/T19595-2019
认证范围: 有机产品

认证的产品种类及加工过程符合有机产品认证标准。
初次发证日期: 2024年02月
本次发证日期: 2024年02月
证书有效期至: 2024年02月

负责人(签字):
宝得瑞(盖章): 宝得瑞(盖章)
宝得瑞(盖章): 宝得瑞(盖章)
联系电话: 010-64687970




有机产品

认证委托人/生产者/种植者/经销商 宝得瑞
加工企业名称 宝得瑞
地址 河北省石家庄市

认证依据: GB/T19595-2019
认证范围: 有机产品

认证的产品种类及加工过程符合有机产品认证标准。
初次发证日期: 2024年02月
本次发证日期: 2024年02月
证书有效期至: 2024年02月

负责人(签字):
宝得瑞(盖章): 宝得瑞(盖章)
宝得瑞(盖章): 宝得瑞(盖章)
联系电话: 010-64687970



Certi Anne Ce

Ecocert SAS
N° 28978704

Powdered Seabuckthorn Ltd.

Hubei Administration
Hubei Province

Has been audited
- according to
has ECOCERT
- is eligible as
purpose of ex-

Ecocert Or

For production of
FRUITS, NUTS, VEG
OILS, VEGETABLE
PLANT DERIVATIVES

Certificate issued to:
Bocourt SAS
BP 27 Lesnais
F3923 SAZ 07 51 09
Capital 300 000 €

The certificate is for:
FRUITS
FRUITS
FRUITS
FRUITS

Annex 1

Ecocert
N° 28978704

**Powdery (海
宝得瑞)**

USDA organic prod

Products certified:
FRUITS
FRUITS
FRUITS
FRUITS

For open
FRUITS
FRUITS
FRUITS
FRUITS

Certificate issued on:
Bocourt SAS
BP 27 Lesnais
F3923 SAZ 07 51 09
Capital 300 000 €

Name of Certified producers / 认证生产者名称	Address of Certified fields / 认证地址	Certified field No. / 认证地址编号	Area (ha) / 面积 (公顷)
Bocourt Seabuckthorn Collection Base, 140 Rue de la Vallée, 39233 SAZ, France	Bocourt Seabuckthorn, Shanghai County, Shanghai City, China	F	3,633.33
Taligou Seabuckthorn Collection Base, 140 Rue de la Vallée, 39233 SAZ, France	Taligou Seabuckthorn, Shanghai County, Shanghai City, China	F	876.88
Xiaomai Seabuckthorn Collection Base, 140 Rue de la Vallée, 39233 SAZ, France	Xiaomai Seabuckthorn, Shanghai County, Shanghai City, China	F	1,643.33
Yongqiang Seabuckthorn Collection Base, 140 Rue de la Vallée, 39233 SAZ, France	Yongqiang Seabuckthorn, Shanghai County, Shanghai City, China	F	1,872.00
Total			7,125.54

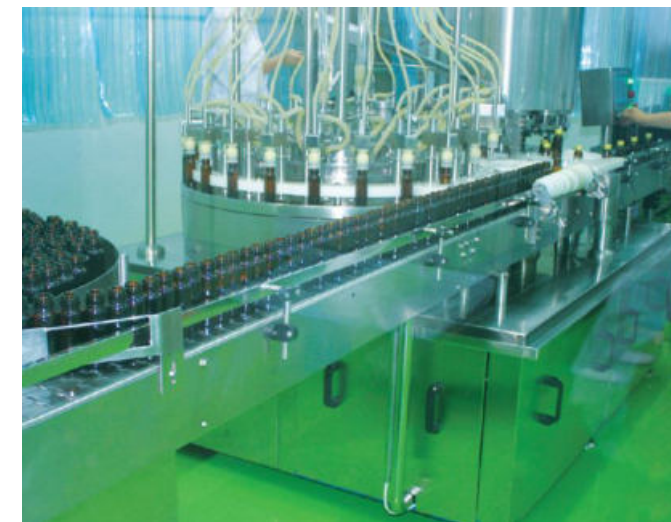
Sea Buckthorn Series Raw Materials

- Sea Buckthorn Juice
- Sea Buckthorn Powder
- Sea Buckthorn Whole Berry Oil
- Sea Buckthorn Seed Oil
- Sea Buckthorn Whole Berry Oil Microcapsules
- Sea Buckthorn Seed Oil Microcapsules



Production Line Craft and Equipment

- Supercritical Extraction Workshop
- Oral liquid workshop
- Plant Extract Workshop
- Soft Capsule Workshop
- Tablet Candy Workshop



Sea Buckthorn Series Products

- Health Drinks
- Softgel Capsules
- Solid Drinks
- Pressed Candy
- Healthy Oils



Co-op Mode

- 1. Processing supplied materials
- 2. Formula processing
- 3. Design and development
- 4. Processing and manufacturing



OEM & ODM 合作模式

02

Comprehensive Utilization

- Multi Effect
- Product Development

Multi Effect

intestinal flora regulation

Increase AKK bacteria
Reducing the harm of high-fat diet
to the intestines

Cardiovascular protection

Reduce obesity
Improving fatty liver
Regulating blood sugar
Improving insulin resistance
Reduce blood lipids

nervous system protective

Improving neurocognitive abilities
Regulating neurotransmitters
Relieve anxiety and depression

Sea
Buckthorn

Cell protection and tissue repair

Promote the healing of gastrointestinal ulcers
Accelerate wound healing
Reduce radiation and chemotherapy damage

● Sea Buckthorn Peptides

- **Materials:** Seabuckthorn seed meal
- **Seabuckthorn Seed Protein:** 20% ~ 30%
- Amino acid composition close to complete protein
- **Technology :** Enzymatic Hydrolysis
- **Oligopeptide content:** 70%
- **Biological Activity:** Antioxidant, antibacterial, anti-inflammatory, Glucose-lowering , protecting the kidneys



●Sea Buckthorn Peptides

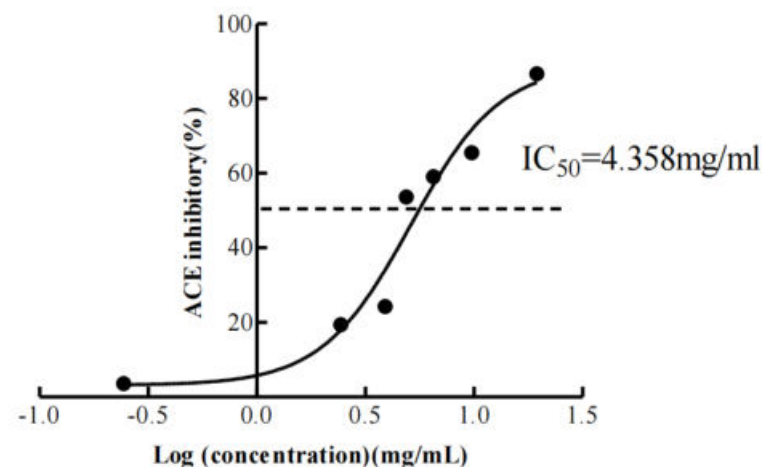
- Inhibition of pancreatic lipase activity

肽	PPL 抑制率 (IC ₅₀)
VR	371.07±15.20 ^d
FR	243.07±4.32 ^b
RDR	250.50±12.10 ^b
APYR	350.41±0.55 ^c
NLLHR	220.70±11.45 ^a
EAAASLR	510.55±0.12 ^e

- Dietary angiotensin converting enzyme (ACE) inhibitory peptide for treatment of hypertension



[1]方永亮,郑彤,余江河.功能性甜味剂L-阿拉伯糖的研究进展[J].氨基酸和生物资源,2009,31(01):8-12
 [2]相敏.沙棘籽粕蛋白肽的制备及抗肥胖活性研究[D].华南理工大学
 [3]完美(中国)实验-人体伦理号: HS-1763



Sea buckthorn leaves

- Tea Substitute: Assistant Hypoglycemic Effect
- Oral Liquids

Quebrachitol

- The seabuckthorn leaves harvested in September have the highest content of quebrachitol (64.7-73.27 mg/g, dry leaves)
- Inhibit alpha amylase activity, improve cellular insulin resistance, and assist in lowering blood sugar.



Table 5.4 The acarbose equivalent inhibitory capacities of standard quebrachitol and the purified extract of seabuckthorn leaf

实验组别	浓度 (mg/ml)	抑制率 (%)	阿卡波糖当量 (mg/ml)
白雀木醇标准品	1	81.45±0.46	0.621±0.021
沙棘叶纯化物	1	51.79±0.96	0.105±0.003

Omega 7



- trade agreements.
- 304mg of Omega 7 are guaranteed in each dose, as per our T7 promise. This includes triple lab testing to verify. Most imposters have little to no Omega 7. Sibu's oil is guaranteed to have 40%+ Omega 7 and is loaded with Omega 3, 6, and 9, Vitamins A, C, and E, and a slew of powerful and rare antioxidants.
 - Sibu Sea Buckthorn oil is USDA Organic, PETA Cruelty-Free, and Vegan, and guaranteed fresh and pure. Absolutely NO: preservatives, GMOs, sulfates, sulfites, or anything bad for you.
 - Benefits include skin, hair, and nail health - mucous membrane health - cardiovascular health - liver health - relief of dry eyes and mouth - relief of feminine dryness - many many more.
 - IMPORTANT NOTE: Some variance in color is natural, normal, and a result of minimal processing of our Sea Buckthorn oils during extraction. This ensures maximum levels of bioactive compounds remain. Cold or frozen softgels will become opaque but will return to normal at room temperatures.

New (4) from \$20.66



Terry Naturally Omega-7 Dry Eye Relief - 500 mg Sea Buckthorn, 60 Vegan Softgels - Eye Moisture Support Supplement, with Omegas 7, 9, 6 & 3 - Non-GMO, Gluten-Free - 60 Servings

Visit the Terry Naturally Store

★★★★★ 233 ratings | 14 answered questions

Amazon's Choice for "terry naturally dry eye relief"

Price: \$33.56 (\$0.56 / Count)

No Import Fees Deposit & \$12.50 Shipping to China Details

Size: 60 Count (Pack of 1)

60 Count (Pack of 1)	120 Softgels
----------------------	--------------

Omega-7 content reaches 304mg per capsule

Sea buckthorn seed oil and whole berry oil Soft capsules



Roll over image to zoom in

Unit Count 90.00 Count

About this item

- **WHY SEA BUCKTHORN:** Also known as Hippophae rhamnoides, Sea Buckthorn is a berry native to Europe and the Himalayan mountains. It is one of the only fruits that contains all four omega fatty acids, while also being a powerful source of flavonoids and other antioxidants.
- **HEART HEALTH:** Our Sea Buckthorn formulation contains a broad range of natural polyunsaturated fatty acids, including omega-3, 6, 7 and 9, to support heart health.
- **SKIN AND HAIR SUPPORT:** Sea Buckthorn is a natural source of flavonoid antioxidants, vitamins C, A and E, and minerals such as magnesium, iron and potassium to support healthy skin and hair growth.
- **ALL NATURAL ANTIOXIDANT SUPPLEMENT:** Formulated by actual pharmacists without additives, fillers, or artificial colorings; each of our softgels contain 300mg of high quality Sea Buckthorn oil.
- **100% SATISFACTION GUARANTEED:** Our Sea Buckthorn berries are sourced only from Europe; we guarantee our purity, freshness and potency; if you're not satisfied with our product, let us know within 90 days and we'll provide you with a refund.



Roll over image to zoom in

Item Form	Capsule
Brand	Natura
Dosage Form	1000-5000
Material	GMO Free, Gluten Free, Kosher Certified
Feature	
Allergen Information	Gluten Free
Unit Count	60 Count

- About this item**
- Highest Quality, Pure Sea Buckthorn Oil from Wild Sea Buckthorn Berries.
 - Best Natural Source of Rare Omega-7 Fatty Acids.* Complete Source of Omega 3-6-7-9 Fatty Acids.* Almost Ideal 1:1 Ratio of Omega 3 to Omega 6.*
 - Over 190 Bioactive Nutrients with Strong Anti-Oxidant, Anti-Inflammatory Properties.*
 - Supports Positive Mood, Helps with Weight Management.* Promotes Skin Health.*
 - Helps Relieve Dry Eyes, Supports Healthy Vision.* Supports Liver Health.*

Note: Products with electrical plugs are designed for use in the US. Outlets and voltage differ internationally and this product may require an adapter or converter for use in your destination. Please check compatibility before purchasing.

Heart health, skin and hair improvement, and antioxidant properties

Skin care product



Total Activation Sea Buckthorn Seed Oil for Topical Treatment Cold Pressed and Unrefined Healing Serum for Hair Skin and Nails 1oz

[Visit the Total Activation Store](#)

★★★★☆ 50 ratings

Price: **\$11.49** (\$11.49 / Ounce)

\$19.55 Shipping & Import Fees Deposit to China [Details](#)

Recommended Uses For Product Anti-aging

Item Form Oil, Serum

Brand Total Activation

Use for Face

Specific Uses For Product Dark Spots, Wrinkles, Stretch Mark, Aging

results



Roll over image to zoom in

Pumpkin Seed Oil Organic - 100% Pure RAW Cold Pressed Undiluted Pumpkin Seed Oil For Anti Aging Wrinkle Repair Dark Spots Scars Acne Hair Growth Serum Pumpkin Oil - Vitamin E Oil For Skin, 2 oz

[Visit the Jeune Naturelle Store](#)

★★★★☆ 406 ratings

Price: **\$11.66** (\$5.83 / Fl Oz)

\$25.57 Shipping & Import Fees Deposit to China [Details](#)

Recommended Uses For Product Anti-aging

Special Ingredients Organic Pumpkin Seed Oil

Specific Uses For Product Scars, Acne

Item Form Oil

Product Benefits Anti-Acne, Anti-Aging, Anti-Cellulite, Anti-Inflammatory, Antioxidant, Blemishes Treatment, Dark Spot Correction, Eczema Treatment, Even Toning, Fine Line Treatment, Mo...

[See more](#)

Sea buckthorn seed oil has anti-aging properties and good protective effects on facial dark spots, wrinkles, hair, nails, etc. It can be combined with pumpkin seed oil to enhance anti-aging function.

Special Diet: Sports nutrition food



- **Sea Buckthorn whole berry oil Soft capsules**
- **The content contains Omega-7 $\geq 28\text{g}/100\text{g}$**

【产品类别】运动营养食品 耐力类

【配料表】明胶、沙棘果油、甘油、蜂蜡、山梨糖醇液、盐酸硫胺、核黄素

【每瓶净含量】63g (0.7X90粒)

【食用方法及用量】直接咀嚼食用, 每日2次, 每次3粒

【适宜人群】中长跑、慢跑、快走、自行车、游泳、划船、有氧健身操、舞蹈、户外运动等人群

【产品标准代号】GB 24154

【食品生产许可证编号】
SC10642080000018

Special Diet: Sports nutrition food



- **Seabuckthorn seed oil and whole berry oil Soft capsules**
- The content contains
 $\text{Omega-3} \geq 10\text{g}/100\text{g}$
 $\text{Omega-6} \geq 18\text{g}/100\text{g}$
 $\text{Omega-7} \geq 12.5\text{g}/100\text{g}$
 $\text{Omega-9} \geq 9.6\text{g}/100\text{g}$

【产品类别】运动营养食品 耐力类

【配料表】明胶、沙棘果油、沙棘籽油、甘油、蜂蜡、山梨糖醇液、盐酸硫胺、核黄素

【每瓶净含量】63g (0.7X90粒)

【食用方法及用量】直接咀嚼食用，每日2次，每次3粒

【适宜人群】中长跑、慢跑、快走、自行车、游泳、划船、有氧健身操、舞蹈、户外运动等人群

【产品标准代号】GB 24154

【食品生产许可证编号】
SC10642080000018



寶得瑞
P O W D E R Y



Official Website



WeChat Official Account