SPIRULINA POWDER ET-F & LINABLUE G1-S

8 December 2020



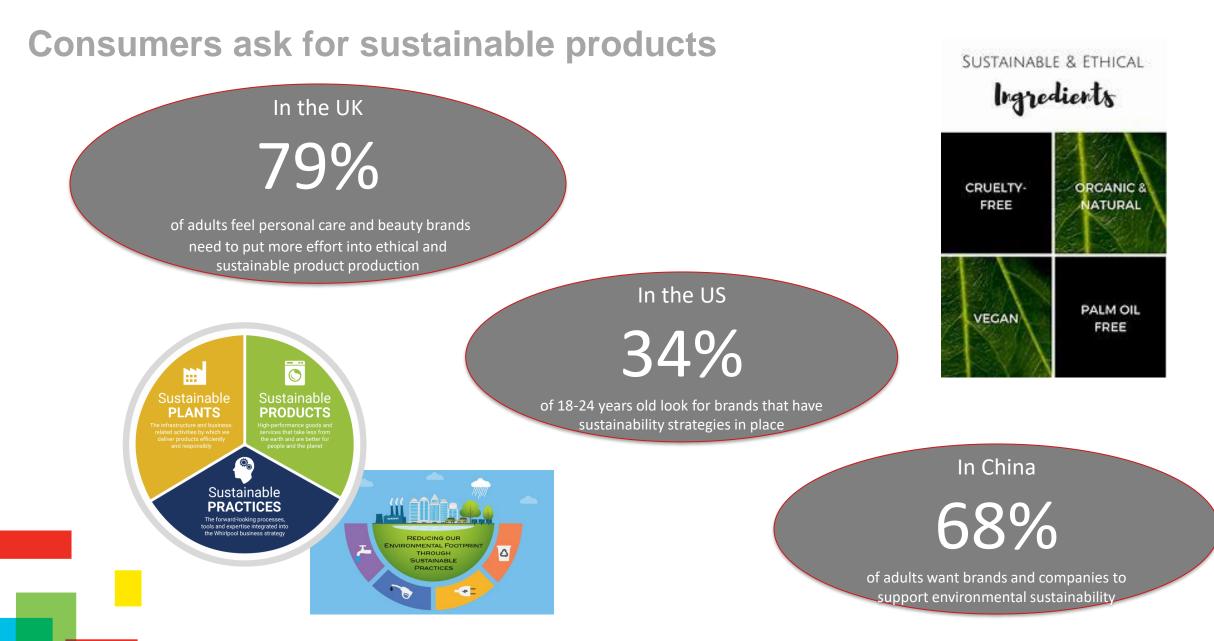




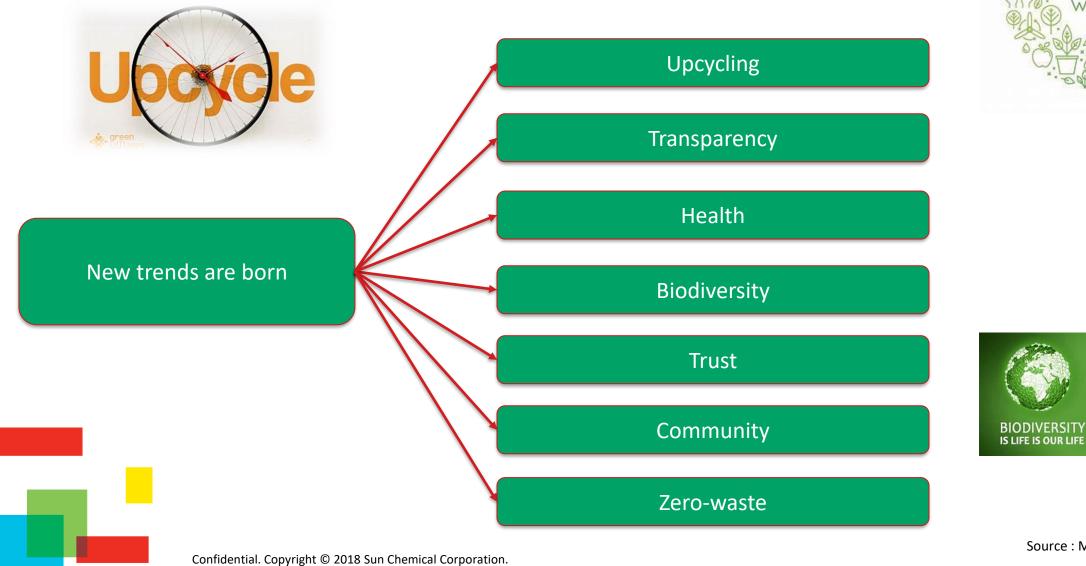
Color & Comfort



working for you.



How people are thinking about consumption ?





What's driving the future of beauty?





Today's beauty consumers want to be confident that the products they buy are as kind to the planet as they are to the skin



L The largest and oldest producer of Spirulina

Spirulina – Inspired by nature, realized by science

- ✓ A naturally occurring blue-green algae which forms on the surface of lakes
- An incredibly high source of nutrients, amino acids and iron Superfood ingredient
- Spirulina contains Vitamin E, selenium and tyrosine, which are all known for their powerful anti-aging effects.

THE GREEN BEAUTY

Since 1918

Two certified manufacturing farms





Earthrise Nutritionals, LLC. (100% capitalized, CA, USA)



Hainan DIC Microalgae Co., Ltd. (100% capitalized, Hainan, China)

FSSC22000 GRAS GMP HALAL KOSHER NON-GMO Processed Food Registration

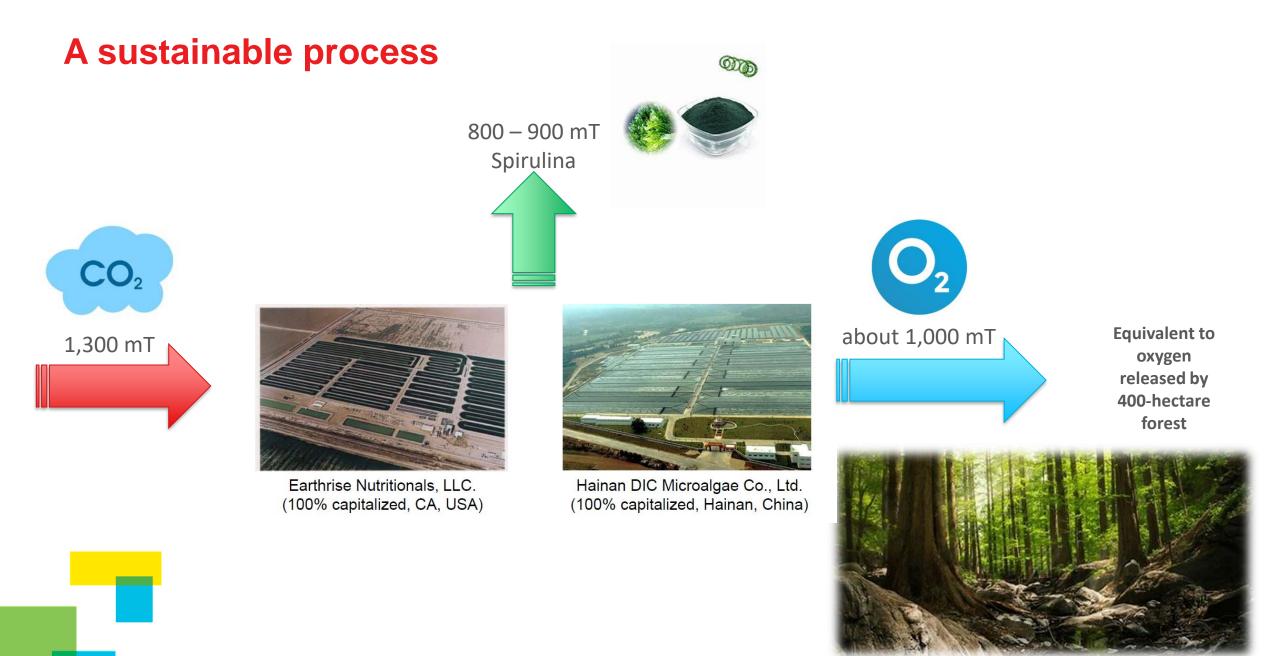
> FSSC22000 ISO9001 GMP HACCP HALAL KOSHER Hygienic Certificate 食品生産許可書 Environmentally friendly

<u>US Site</u>: Sonoran Desert (California) – far from cities, highways and airports – the air is clean 100% pure during its entire growth process – do not use irradiation, chemicals, herbicides or pesticides > No waste : 100% water recycled, no draining

<u>China Site</u> : Hainan Island (Asian Hawaii) – far from cities, highways and airports – the air is clean 100% pure during its entire growth process – do not use irradiation, chemicals, herbicides or pesticides > No waste : water treatment and draining



Food & Cosmetic Grade Quality – non-GMO ingredient



Two natural cosmetic ingredients





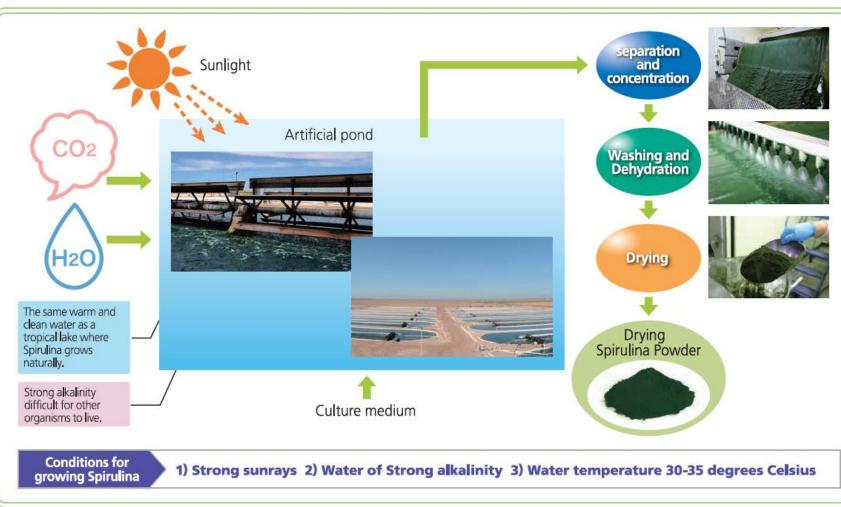








GREEN PROCESS PURIFICATION





ISO 16128-2 100% natural content

WHAT ARE THE BENEFITS OF SPIRULINA FOR THE SKIN ?

- Decreases inflammation*
- Tones the skin*
- Encourages cell turnover*



Boost the health and vitality of your skin

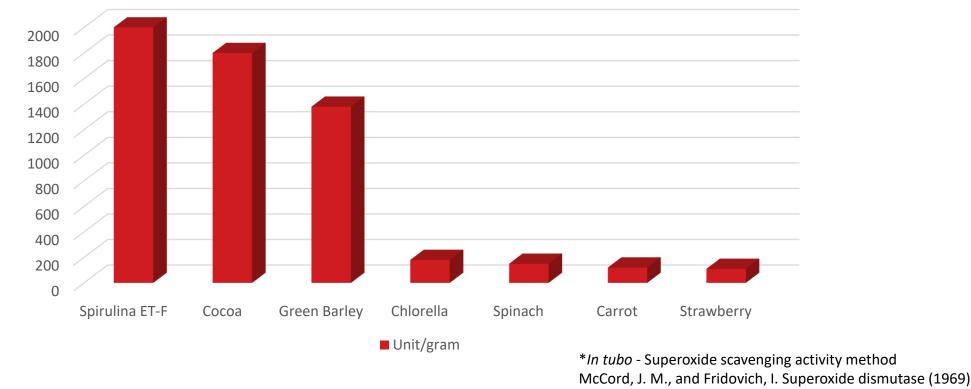
SPIRULINA POWDER ET-F WHAT ARE THE BENEFITS OF SPIRULINA ET-F FOR THE SKIN ?



The best antioxidant active ingredient?

Super Oxide Dismutase activity

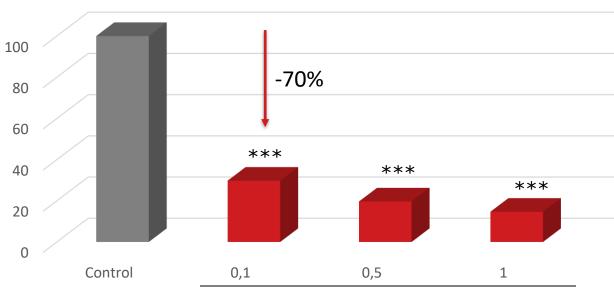
SOD activity's comparison to main natural ingredients*



SPIRULINA POWDER ET-F WHAT ARE THE BENEFITS OF SPIRULINA ET-F FOR THE SKIN ?



Inhibition of lipid peroxidation*



Percent inhibition of lipid peroxide formation

% Spirulina ET-F

In tubo* – Oxidation of Linoleic Acid Unpaired t-test, * P < 0.001

SPIRULINA POWDER ET-F WHAT ARE THE BENEFITS OF SPIRULINA ET-F FOR THE SKIN ?

DPPH assay*

Antioxidant activity (µM TE)

0,1

1

% Spirulina ET-F



BHT (0,1%)

*In tubo – expressed in μ M Trolox Equivalent

80

60

40

20

0

Main Claims and Applications

Claims :

- . Natural deep intense green ingredient
- . With strong antioxidant activity

Applications :

- . Make up eyeshadow, nailpolish, lip gloss, lip scrub, lip oil
- . Make up emulsion, powder, oily gel
- . Face mask
- . Soap
- . Toothpaste
- . Skin care
- . In & Out concept



Spirulina powder eyeshadow





Spirulina nailpolish

Technical information

INCI name : Spirulina (Arthrospira) Platensis Powder

Product code : ACI-0101 HS code : 2102.20 Appearance : Blue-green powder Odor : Characteristic Particle size : 20 micrometer Titrated in Chlorophyll, Phycocyanin and Carotenoids Raw material origin : USA

Microbiological specifications :

<100 CFU/g Bacteria, Yeast and Mold Preservation : none Heat sterilized Shelf life : 4 years

Compliance :

ISO 16128-2 : 100% natural content Cosmos, China and REACH Vegan and Halal Nagoya



Solubility :

Oily & water dispersible Recommended usage : 0,01 to 1%

Toxicological data:

HRIPT



Stability studies

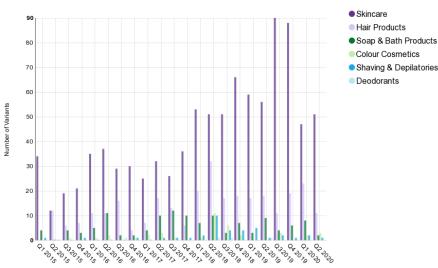
Heat : stable up to 40 - 50°C
Light : sensible
pH : 4-8

<u>Recommandations</u>: Better stability in : Oily conditions, anhydrous solution and/or dark conditions Pre-mix in glycerin to stabilize the color Pre-mix in "sweet envelope" will stabilize the color Very stable with Kahlwax 1540

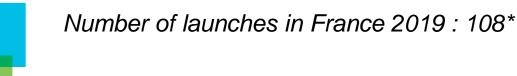


Sun Chemical formula : Butter make-up remover with Spirulina ET-F

Consumers & Market insight



Spirulina Market Analysis*





Romania - Viorica – corrector cream Spirulina

France - Vichy Laboratoires - Dercos Nutrients Detox Shampoo

Detox



France -Ella Baché - Crème légère Spiruline Liftante Rides

<u>UK – Lush – bar soap</u>

*: Mintel, May 2020



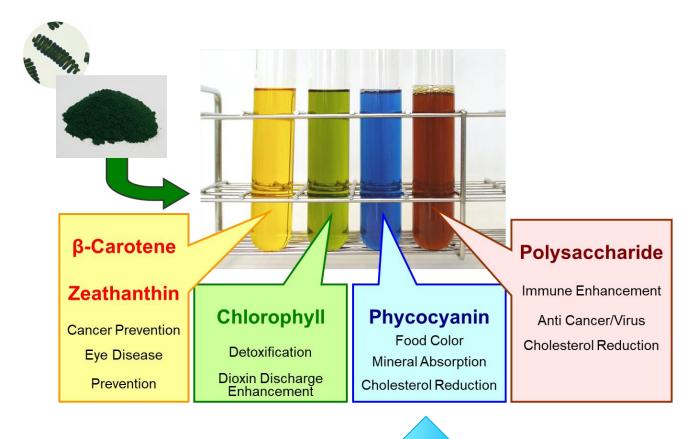






LINABLUE G1-S

GREEN PROCESS PURIFICATION - Natural Phycocyanins



"Stabilized with Trehalose and Sodium citrate"





WHAT ARE THE BENEFITS OF PHYCOCYANINS FOR THE SKIN ?

- Decreases inflammation*
- Stimulates the immunity*
- Detoxifies the cell*



Boost the health and vitality of your skin



WHAT ARE THE BENEFITS OF LINABLUE G1-S FOR THE SKIN ?



1000 800 600 400 200 0 Linablue G1-S Chlorella Spinach Carrot Strawberry Unit/gram

SOD activity's comparison to main natural ingredients*

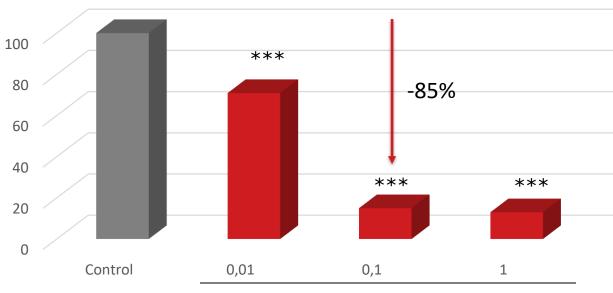
**In tubo* - Superoxide scavenging activity method McCord, J. M., and Fridovich, I. Superoxide dismutase (1969)



LINABLUE G1-S WHAT ARE THE BENEFITS OF LINABLUE G1-S FOR THE SKIN ?



Inhibition of lipid peroxidation*



Percent inhibition of lipid peroxide formation

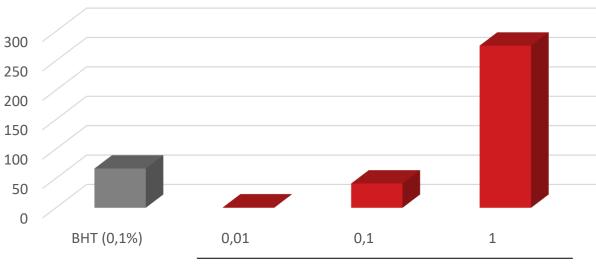
% Linablue G1-S

*In tubo – Oxidation of Linoleic Acid Unpaired t-test, *** P < 0.001

LINABLUE G1-S WHAT ARE THE BENEFITS OF LINABLUE G1-S FOR THE SKIN ?

DPPH assay*

Antioxidant activity (µM TE)



% Linablue G1-S



*In tubo – expressed in μ M Trolox Equivalent

LINABLUE G1-S

Main Claims and Applications

Claims :

> A natural vivid sky blue shade most similar to FD&C Blue 1
 > With strong antioxidant activity

Applications :

- > Make up eyeshadow, nailpolish, lip gloss, lip scrub, lip oil
- > Make up emulsion, powder, oily gel
- > Face mask
- > Soap
- > Toothpaste
- > Skin care
- > In & Out concept





Phycocyanin powder make-up



Phycocyanin face mask



In & Out

LINABLUE G1-S

Technical information

INCI name : Spirulina Platensis Extract & Trehalose & Sodium Citrate

Product code : ACI-0201 HS code : 3203.00 Appearance : Blue powder Odor : Characteristic Particle size : 40 micrometer Raw material origin : China

Microbiological specifications :

<100 CFU/g Bacteria, Yeast and Mold Preservation : none Shelf life : 3 years

Compliance :

ISO 16128-2 : 100% Natural origin content, 40% Natural content Cosmos, China and REACH Vegan and Halal Nagoya



Solubility :

Water soluble and oil dispersible Recommended usage : 0,01 to 1%

Toxicological data:

HRIPT



LINABLUE G1-S **Stability studies**



Heat : stable up to 40 - 50°C

Light : sensible - with antioxidation agent like ascorbic acid, its color stability can improve



pH : stable at around pH 4,5 - 8,0

Recommandations: Better stability in acid conditions Glycerin pre-mix and sweet envelope recommended to stabilize the color Use dark / anhydrous condition / association with ascorbic acid Solubility in alcohol : Precipitation occurs if used in 100% alcohol, but it can dissolve in solution with less than 20% alcohol.

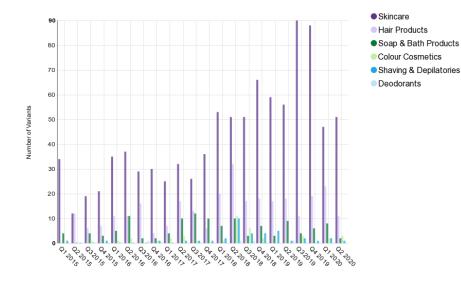


<u>Sun Chemical formulas</u>: DIY purifying and astringent face mask, Stay Here! Hair control spray, Sparkling body gel, Body gel, Powder toothpaste, Transparent soap



LINABLUE G1-S

Consumers & Market insight



Spirulina Market Analysis*



USA - Erno Laszlo - Firmarine Cleansing Bar



France - Institut Esthederm - Intensive Spiruline cream

Milk Cleanser

Netto 100 ml



<u>USA - Sephora - Spirulina mask stick</u>

Indonesia - Viva - milk cleanser spirulina



Natural ingredient creates a natural positive vibe

