





Organic ikiKale Powder

New trends and healthy living with **ikiKale**. A wish for healthy living and interesting servings are wishes shared by the majority of people. With **ikiKale** favourite healthy dishes are prepared in less than 10 minutes - total. **Freeze-dried ikiKale Powder:** For healthy smoothies, on the go, one-hand-eating... For healthy teas, drinks, shots. 4 g per day will cover your needs for a full diet of vitamins and minerals.







High in:

- Natural vitamins A,C,E,K
- Natural Minerals : K,Ca,P, Fe, Se
- Natural Fibres
- Natural Protein

Health benefits:

- Satiety effect (slendericing)
- Reducing LDL Cholesterol
- Increasing and maintaining bone-structure in menopause women.
- Improving visual performance
- delaying AMD

Organic ikiKale Flakes and Powder contain NO fillers,

only dehydrated kale leaves bursting with superfood nutrition. A cruciferrous vegetable that contains health promoting bioactive compounds, sulfur compounds. ikiKale also contains an amazing variety of 45 different falvonoids. It is a natural source of vitamins A, C, K and E as well as valuable minerals. Kale is traditionally used to provide nutritive support to help detoxify and fortify the body. It's a free world - so do combine healthy living with the needs of your biome - or those of your family.

This Organic freeze dried ikiKale

(Brassica Oleracea var. Acephala convar Sabellica) is the easy and handy way to have the multitude of vitamins, minerals and functional nutritients every day. Dissolves 96% in liquid - hot/cold water and cover your daily needs... Easy, convenient in use for any age.

For people who:

- Travelling or on the go. Just add water or juice
- Have no time to prepare greens for lunch.
- Lack green vegetables in their diet.
- Want to live a healthy life
- Live a stressfull life.
- Want to get beauty-frominside

Easy in use:

- open bag and pour half of powder in cup or glass, dissolve with a little water and pour up to 25 cl of liquid water, applejuice or milk
- make a smoothie with applejuice, ginger or lemon or fruit to your liking
- sprinkle on your meals
- add in as healthy food component.

Ingredients

Green Kale (Brassica oleracea var. acephala)

Nutritional value 100 g	Value	% of DRI
Energy	1210 KJ/ 292 kcal	14.5%
Total fat Saturated Monounsaturated Polyunsaturated	6.7 g 0.8 g 0.8 g 3 g	9.6% 4% -
Carbohydrate Sugars	13.8 g 10.3 g	5.3% 11.4%
Fiber	47.5 g	190%
Protein	20.4 g	40.8%
Salt	0.06 g	1.0%

DRI (dietary reference intakes) from Regulation (EU) No 1169/2011 (replace Council Directive 90/496/EEC)
DRI of fibre from EFSA 2010: https://ec.europa.eu/jrc/en/health-knowledge-gateway/promotion-prevention/nutrition/fibre
All measurements are performed by Eurofins Steins Laboratorium A/S according to standard methods at 2019.06.19.

Microbiological analysis Total plate count	3600 CFU/g	
E coli	Negative	
Coliforms	Negative	
Salmonella	Negative	

Amino-Acids	Per 100g		
Serin	1,12g		
Glutamine	3,34g		
Prolin	2,17g		
Glycin	1,19g		
Alanin	1,25g		
Valin	1,27g		
Isoleucin	0,939g		
Leucin	1,82g		
Tyrosin	0,738g		
Phenylalanin	1,15g		

Amino-Acids	Per 100g		
Lysin	1,53g		
Histidin	0,563g		
Arginin	1,57g		
Hydroxyprolin	0.132g		
Asparginacid	2,47g		
Threonine	1,07g		
Omitin	<0,05g		
Tryptophan	0,386g		
Cysteine	0,283g		
Methionine	0,416g		

Minerals	Value	% of DRI
Potassium (K)	1700 mg	85%
Calcium (Ca)	2500 mg	313%
Phosphorus (P)	350 mg	50%
Magnesium (Mg)	140 mg	37%
Iron (Fe)	7.6 mg	54%
Zinc (Zn)	1.7 mg	17%
Copper (Cu)	0.26 mg	26%
Manganese (Mn)	2.5 mg	125%
Selenium (Se)	Not detectable	0
Chromium (Cr)	7.1 µg	18%
lodine (I)	Not detectable	0
Vitamins	Value	% of DRI
Vitamin A (ß-carotene)	1100 µg	138%
Vitamin D	Not detectable	0
Vitamin E	16.5 mg	138%
Vitamin K	1170 µg	1560%
Vitamin C	307 mg	384%
Vitamin B1 (Thiamin)	0.169 mg	15%
Vitamin B2 (Riboflavin)	0.566 mg	40%

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Vitamin B2 (Riboflavin)	0.566 mg	40%			
Vitamin B3 (Niacin)	4.21 mg	26%			
Vitamin B6 (Prydoxine)	1.38 mg	99%			
Vitamin B9/B11 (Folic acid)	243 μg	122%			
Vitamin B7 (Biotin)	30.1 µg	60%			
Vitamin B5 (Pantothenic acid)	1.84 mg	31%			

Storage dry at ambient temperature

Ceepability 2 years from the date of packing

FAN



















Organic Freeze-Dried ikiKale Flakes

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Freeze-dried ikiKale Granulate:

for Baking it into your bread, mix it with cream or oil for your pasta sauce or pesto, top your pizza, meat, egg, fish, for salads, or prepare your own exquisite meals according to taste, mood and time.



Nutritional Benefits

High in:

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Health benefits:

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Storage	dry at ambient temperature			
Keepability	2 years from the date of packing			
EAN	(BiO)	WALAL WALLES		







Nutrition & Health Benefits of kale

All hail to kale! Seemingly everywhere you turn, kale is a vital vegetable, rich in nutrients, health benefits and delicious flavor.





- Anti-Inflamatory
- Low Calorie
- Antioxidants
- Low Carb
- Vitamin K
- Calcium
- Vitamin C
- Vitamin A
- Potassium
- Lutein
- Antioxidant activity
- Prebiotic effects
- Maintain bone mass
- Maintain eye health
- Lowering cholesterol
- Anti-obesity and anti-diabetes effects (NEW)

Per calorie, Kale has:

- more Iron than beef
- more Calcium than milk
- 10x more Vitamin C than spinach

What is it good for?

- eyes
- skin
- reduces the risk of heart disease & cancer
- weight loss
- lowers cholesterol
- bones

Antioxidant activity

Anti-aging · Anti-fatigue

Table 3 • Antioxidant activity of six Brassica crops measured in four plant stages with two different antioxidant assay systems (DPPH and FRAP)

DPPH assay

Crop	N	Sprouts (S1) ^a	N	Two months leaves (L2) ^a	N	Three months leaves (L3) ^a	N	Consumed organs (CO4) ^{a,b}
Broccoli	3	2.23b	3	3.27b	3	3.27b	3	3.43b
Cabbage	12	1.89bc	12	3.12b	12	4.54abc	11	1.82d
Cauliflower	3	3.23a	3	4.25a	3	3.16c	3	1.81d
Kale	9	1.91bc	9	2.86b	9	6.40a	9	4.71a
Tronchuda cabbage	6	1.70c	6	2.76b	6	5.87ab	6	3.07bc
Nabicol	9	2.03bc	8	2.95b	8	3.70bc	6	2.24cd
LSD ^c	-	0.44	-	0.70	-	2.18	-	1.15
Totald	42	2.17c	41	3.20b	41	4.57a	38	2.85b

FRAP assay

Crop	N	Sprouts (S1) ^a	N	Two months leaves (L2) ^a	N	Three months leaves (L3) ^a	N	Consumed organs (CO4)a,b
Broccoli	3	5.48b	3	5.16ab	3	7.53a	3	7.40ab
Cabbage	12	4.31c	12	4.30bc	12	6.77ab	11	4.11c
Cauliflower	3	6.75a	3	5.74a	3	7.03ab	3	3.58c
Kale	9	4.57c	9	3.59c	9	8.44a	9	8.91a
Tronchuda cabbage	6	4.08c	6	3.81c	6	6.46ab	6	6.46b
Nabicol	9	4.16c	8	4.61abc	8	5.19b	6	6.71b
LSD ^c	-	0.81	-	1.18	-	2.28	-	2.00
Totald	42	4.89c	41	4.54c	41	6.90a	38	6.20b

^a Values followed by the same character within the same column do not differ significantly at $p \le 0.05$.

^b Consumed organs: heads of broccoli, cabbage and cauliflower, inner leaves of tronchuda cabbage and leaves from kale.

^c Least significant difference.

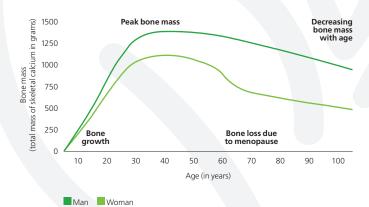
^d LSD for compairisons among plant stages= 0.44 and 0.56 for DPPH and FRAP assays, respectively at $p \le 0.05$.

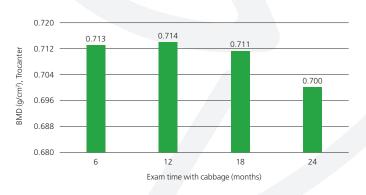
Prebiotic effects

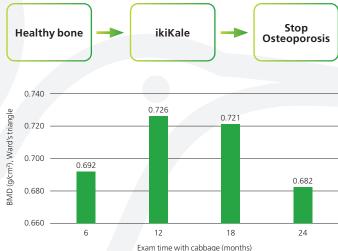
Good bacteria Bad bacteria

Mantain bone mass









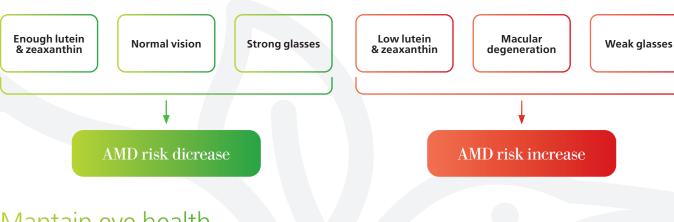
msd (Tukey 5%) = 0.150

Mantain eye health

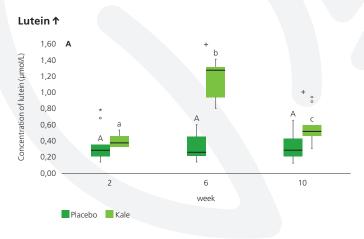
Human macular pigment consists of two carotenoids, **lutein** and **zeaxanthin**, which concentrate in the center of the retina (macula). Lutein and zeaxanthin act like "**internal sunglasses**".

msd (Tukey 5%) = 0.113

Age related macular degeneration (AMD)



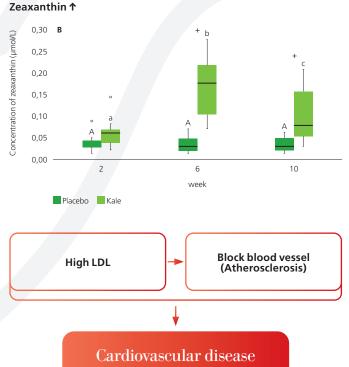
Mantain eye health



Lowering cholesterol







Lowering cholesterol

Enteroendocrine cells

 $\begin{array}{c} ^{\text{HDL}} \\ 27\% \\ ^{\text{Good cholesterol}} \end{array}$

Rale 22% of cholesterol lowering drug

10%
Bad cholesterol

They produce **gut hormones** in response to various **stimuli/food components.**





NEW AREA UNDER STUDY

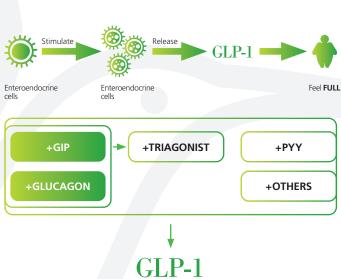


Induce insulin

Improve insulin sensitivity

Kale extract from **ikiKale** increased satiety **hormone GLP-1** secretion in **enteroendocrine cells.**

Based on this new finding, we are conducting more comprehensive research in this area now.



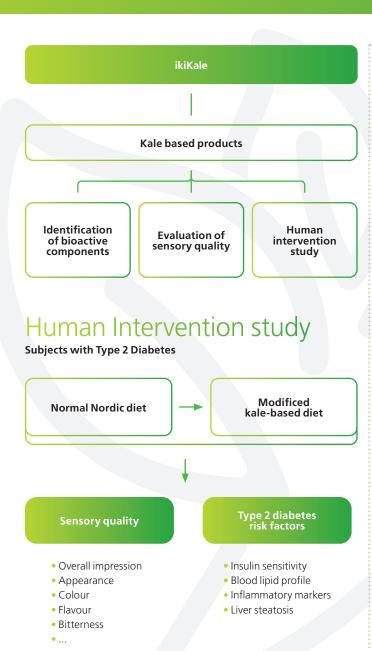
- Energy expenditure (BAT) † †
- Body weight ††††Fat mass †††
- Lipolysis (WAT) ↑
- Cholesterol ★ ★
- Leptin +

- Glucose +++++
- Insulin sensitivity † † † †
- Satiety * † †
- Food intake ★↓↓↓↓
- Lipid content
- Insulin secretion † † † † †

Anti-obesity

Anti-diabetes

Two ongoing research projects References



Antioxidant (recovery)

- Soo Y.K., Sun Y., Soo M., Sye S.P., Yang C.L., 2008. Kale Juice Improves Coronary Artery Disease Risk Factors in Hypercholesterolemic Men. Available at: http://www.drperlmutter.com/wp-content/ uploads/2014/08/1-s2.0-S0895398808600124-main.pdf
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- 3. Talwinder S.K., Mei-Chen M.C., Mary H.C., 2008. Steam cooking significantly improves in vitro bile acid binding of collard greens, kale, mustard greens, broccoli, green bell pepper, and cabbage. Avalable at: https://pubag.nal.usda.gov/pubag/downloadPDF. xhtml?id=17425&content=PDF
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Lowering cholesterol

- 1. T.S. Kahlon, M.H. Chapman, G.E. Smith, 2005. In vitro binding of bile acids by spinach, kale, brussels sprouts, broccoli, mustard greens, green bell pepper, cabbage and collards. Available at: https://naldc.nal.usda.gov/download/28601/PDF
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Maintain eye health

 Armold C., Jentsch S., Dawczynski J., Bohm V., 2013. Age-related macular degeneration: Effects of a short-term intervention with an oleaginous kale extract—a pilot study. Available at: https://drive. google.com/file/d/1auwxjHKQnlTTEUdweKwFUBiyKXWaKCal/ view?usp=sharing

Anti-Obesity & Anti-Diabetes

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- 2. A.C.S. Thorup, H.L Kristensen, P.B. Jeppesen, 2014. Secondary metabolites from vintage vegetables improve the health status of patients with type 2 diabetes when compared to equivalent modern vegetables. Available at: https://drive.google.com/file/d/1s6jYwUhgG ErcjvFtVyxtzlkxehOtVK2 f/view?usp=sharing







Fine Organic FD ikiKale powder

100 % pure GreenKale:

- Raw
- GMO-free
- Organic
- Halalcertified
- Dairy-free
- Lactose-free

24 g fresh GreenKale = 2 g powder

Our vision

Societal Challenges

In combat of lifestyle diseases we unlocked the code of nature and made an efficient natural weapon based on the ancient medical type Danish Curly Kale into ikiKale now ready for the increasing market's needs...

Helping you to stay healthy

Now ready for the market and investors

Creating the natural gamechanger to the world's epidemic lifestyle challenges

Natural

therapeutic treatment for lifestyle diseases

Multifunctional

ingredient in food and beverage

Challenges for Everybody (2016)

650 Million

Adults with obesity

422 Million

Adults with diabetes 2

340 Million

Kids with obesity

1 Million+

Kids with diabetes 2

Obesity
Worldwide obesity has nearly tripled

•

1975

1980

2016

Diabetes

•

Worldwide diabetes has nearly **quadrupled** From **108 M** (1980) to **422 M** (2014)

The number of people with obesity and diabetes will **keep increasing**

Public health expenses cannot bear any further increases

Lifetime health will become the **responsibility of individuals**



Natural organic plant-based diet is the solution

Effective and easy in use ikiKale

Queen amongst vegetables: Organic Danish ancient medical plant GreenKale

Solution daily oral intake of ikiKale in food-and beverage applications

4 scientific evidences on health effects of ikiKale:

MS Obesity

- Satiety effects
- Slenderizing

Diabetes 2

Patients resume proper production of insulin

LDL cholesterol

Reducing LDL cholesterol

Bone health

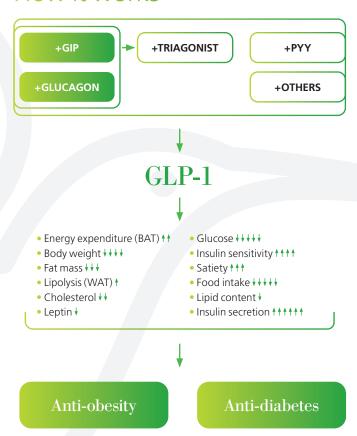
Strengthening bone in elderly citizens

Proven in human cells

ikiKale induces secretion of GLP-1 hormone



How it works

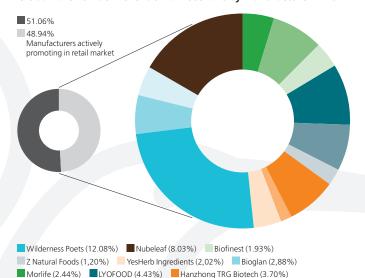


- GLP-1 enables proper production of insulin in diabetes2 patients
- Creating Satiety effects in obese people
- Reducing LDL cholesterol

Global Market Size

2018 2025 **Production** The global kale powder sales are expected to be almost **doubled** 2018 2025 Turnover The global kale powder revenue are expected to be almost **doubled** Global Competition green powders of all kinds Denomination KALE is generic for all green powders Short hot Primarily First movers Chinese origin Low in fibers drying in the green packed in no vitamins & High in ash powder the US mixed bioactive High in water . market compounds left species **Main Unique Selling Points of Competitors** Established It's Green Powder Low Price in F&B market

Global Kale Powder Revenue Market Share by Manufacturer in 2017

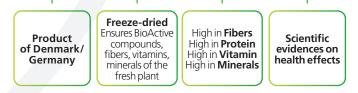


Competitive advantage ikiKale

Others (51.06%) The Synergy Company (2.27%) Wilson Naturals (3.73%)

Bioway (Xi'an) (3.50%) Amazing Grass (0.72%)

Scientifically proven effects on lifestyle
DISEASES Danish ancient type of GreenKale



Main Unique Selling Points

Variety of application

100% Pure Organic Natural therapeutic treatment for **obesity** and **diabetes2** patients

Why now

Revenue Model

1) ikiKale is now scalable

- Nutritional Claims
- EFSA Health Claims finalize in 2020
- Diabetes2 live tests freeze-dried GGkale in 2020

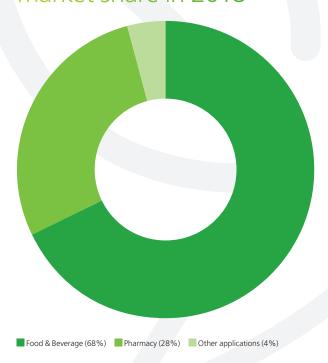
2) Nutritional market continues to grow

Public health expenses under strong pressure

3) Actual, serious negotiations with

- Biopharma companies in Taiwan/China/Vietnam
- Sports nutrition: soccer teams/handball clubs
- Physiotherapist companies/hospitals

The global kale powder market share in 2018



Quantitative goals - ikiKale



Turnover Production

2019 2025 of global market of global market

2019

0.04%3.7% of global market of global market

Oualitative Goals

therapeutic natural medicine against Diabetes 2, MS Obesity, AMD, LDL cholesterol and bone-health (EFSA claims) Attract clients / Finalize live Sportsnutrition - recovery Commercial tests diabetes2 partners within in 2020 3 segments Wellness /organic cosmetics: facial masks, beauty-insideOut/outsideIN

2025

Our Milestones

Health Nutrition

pharmacies, clinics, hospitals, industries

2015 2016 2017 2018 2019 Market research JP/TW • Trial orders in **Denmark** Research project Scientific research Scientific report Satiety effects published and Japan food/beverages co-operation with Dupont health benefits in co- Design prototype /AAU operation with Aarhus • Taiwan medical Tests food matrix Production alliances, University Test orders in Malaysia, Nordiyllands company, eye-health prod.sites approved. **Dubai** and Finland Scientific analyst and Regionshospital Test productions Japanese assist employed Sports nutrition Import registration exhibition Foodex Japan soccer / handball teams Japan 1st Approval EFSA health claims We search... Investment of US \$ 0.5 -1 M to create, implement and execute go-to market plans in 3 high potential segments for ikiKal

Sports Nutrition

online, distributors, sports-clubs,

events, industries

Wellness

cosmetics, beauty inside-out/outside-in



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