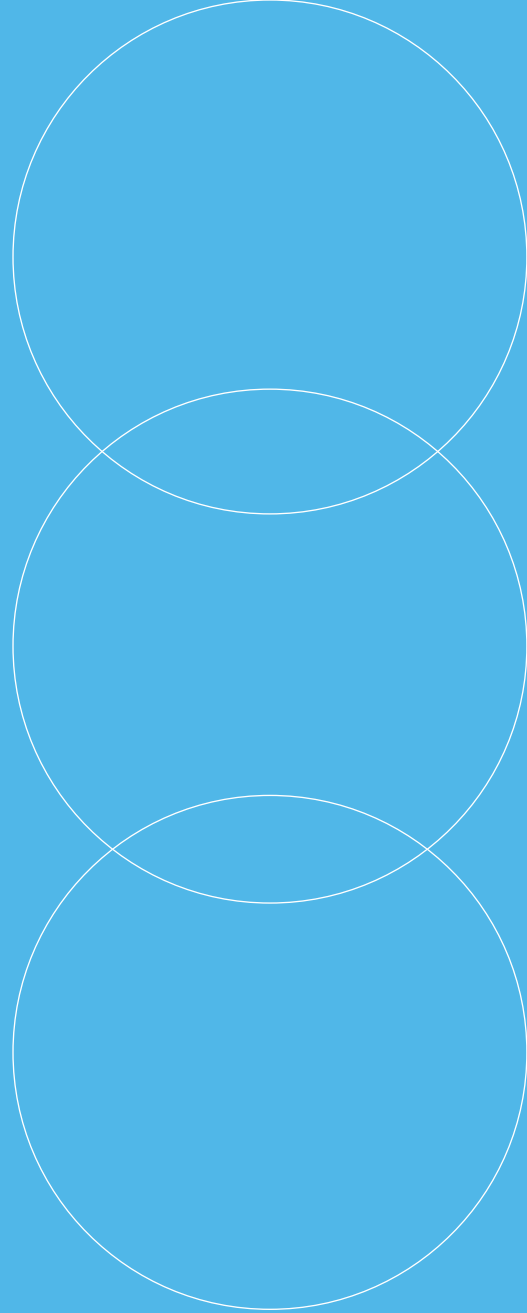


WELLNESS KOREA PRODUCT INTRODUCTION



DREAM OF RED GINSENG

www.wellnesskor.com

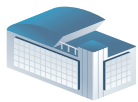
WNK
WELLNESSKOREA

1. WELLNESS KOREA COMPANY INTRODUCTION



HEADQUARTER

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FACTORY

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www.wellnesskor.com



manager@wellnesskor.com



2. WELLNESS KOREA TECHNIC - LTVD

CHARACTERISTICS OF LTVD PRODUCT

LTVD (Low Temperature Vacuum Drying)

When we made Red ginseng, we focused on the natural of natural products that did not contain any coloring matter or sugars through LTVD technology. Compared with general red ginseng, it has reduced the bitter taste. And we have maximized the intake of ginsenosides, and have made it possible to take the rich fiber and inorganic substances of red ginseng.

This is perfectly implemented only in our LTVD (Low Temperature Vacuum Drying) technology.

(General red ginseng is not allowed)

In particular, there are about 35 types of ginsenosides of red ginseng as well as Rg1, Rb1 and Rg3 which are the ginsenosides which are controlled by the KFDA. (Korea Food and Drug Administration)

Among them, about 48% of the red ginseng extract (concentrate) is extracted with alcohol and water, and only about 52% of the remaining effective ginsenosides, antioxidants, fibers and inorganic substances are discarded as residue (red ginseng) And testing.

LTVD red ginseng slices have the advantage of eating the whole including red ginseng.

3. WELLNESS KOREA PRODUCT INTRODUCTION

GINSENGBERRY 'DREAM OF RED GINSENG'

Only the root of ginseng and red ginseng have been used for health and beauty purposes for 1,000 years and is known to be beneficial for health in Asia, Japan, China, and the East and West.

In Korea, beverages with a high content of **ginseng berry** (Re: 10~20mg / day) have been launched since 2013, resulting in annual sales of more than 200 billion won and continuous.

Ginseng products are considered to be the most efficacious mixture of the root part of "**Korean Red Ginseng**" and **Ginseng Berry** which is upgraded one step in Ginseng.



3. WELLNESS KOREA PRODUCT INTRODUCTION



1. PACKING UNIT



- 25mL/bottle
- 1Box(1month) 25mL x 30 BOTTLES

2. MAIN INGREDIENT

- Korean Red Ginseng Extract Spec. ($Rg1 + Rb1 + Rg3 \geq 10\text{mg/g}$)
- Ginseng Berry Extract Spec. ($Re \geq 60\text{mg/g}$)



3. WELLNESS KOREA PRODUCT INTRODUCTION



LTVD Korean Red Ginseng Extract

1) Effects of Korean Red Ginseng

※ K-FDA Validated efficacy (Rg1+Rb1+Rg3)

- Strengthens immunity
- Improves the memory
- Anti-stress, Anti-fatigue effect
- Improves blood circulation
- Anti-diabetic effect
- Female climacteric improvement effect

2) Other Effect of Korean Red Ginseng

- Diet function
(Ginseng saponin dissolves fat and discharges it out of the body.)
- Prevention of aging
(Promoting the transformation of aging cells into new cells)
- Anti-cancer
- Help prevent hair loss

Ginsengberry Extract

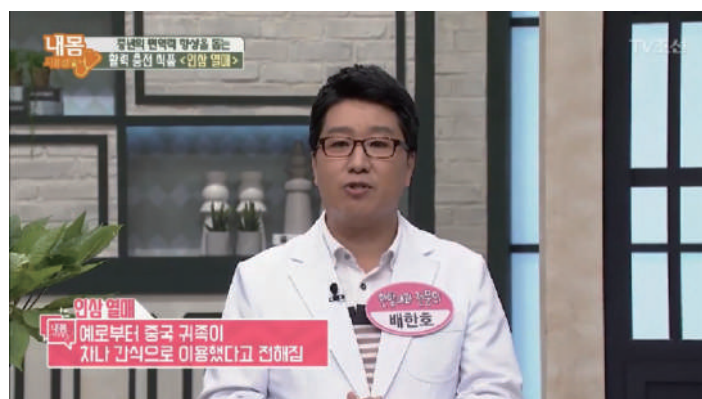
1) Effects of Ginseng Berry

- ① Ginsenoside Re : Vasodilation, blood circulation improvement, vascular inflammation prevention ※ (Improved sexual function, improved cold hands and feet)
- ② Active oxygen inhibition, increased immunity
- ③ Prevent pigmentation by ultraviolet light, prevent skin aging by whitening, moisturizing effect and improve skin beauty
- ④ “Syringaresinol” ingredient contains : delays skin from aging, Lifespan extension
- ⑤ Female climacteric improvement effect
- ⑥ Improve depression
- ⑦ Antioxidant effect
- ⑧ Anticancer effect
- ⑨ Helps to lower cholesterol



4. The efficacy reference data of **Ginseng Berry**

1. Ginsengberry



- Ginseng berry is a middle-aged vitality-packed food that can help with herpes zoster caused by decreased immunity. It is said that ginseng berries have been used by Chinese nobles for tea and snacks since ancient times.



- In the past, only ginseng roots were considered valuable, but recently **ginseng berry** has been shown to have **anticancer, antioxidant and cholesterol lowering effects**.

4. The efficacy reference data of Ginseng Berry

1. Ginsengberry



- Ginsengberry is a berry that is usually grown in ginseng for four years or more. It reaches the peak of nutrients when it is 4 years old and it is a precious berry that can be harvested for only one week from the middle of July to the end of one year.



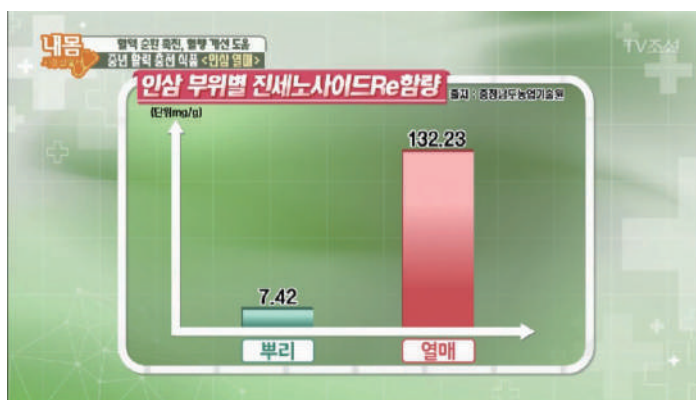
- Ginsenoside Re, one of the key components of ginseng berry, helps prevent vascular inflammation, increase insulin sensitivity and prevent and treat various vascular diseases.

4. The efficacy reference data of **Ginseng Berry**

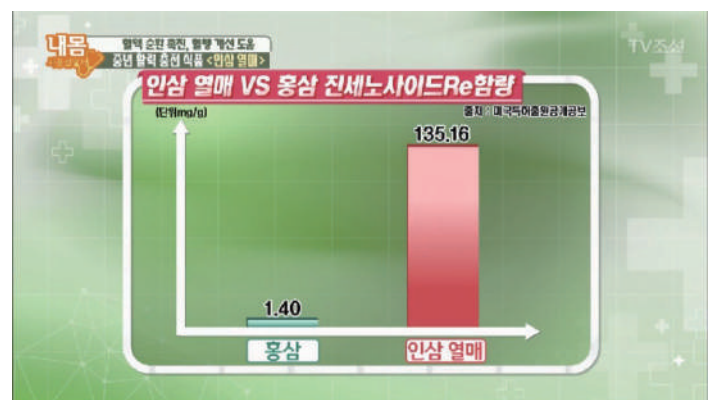
2. Ginsenoside Re of ginseng berry



- Ginsenoside Re of ginseng berry is richer than ginseng roots.



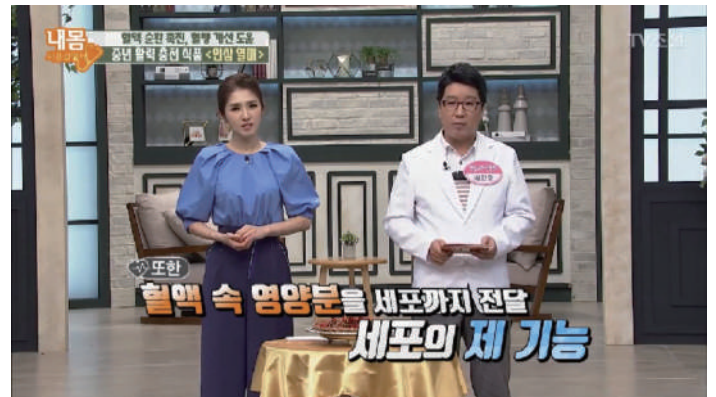
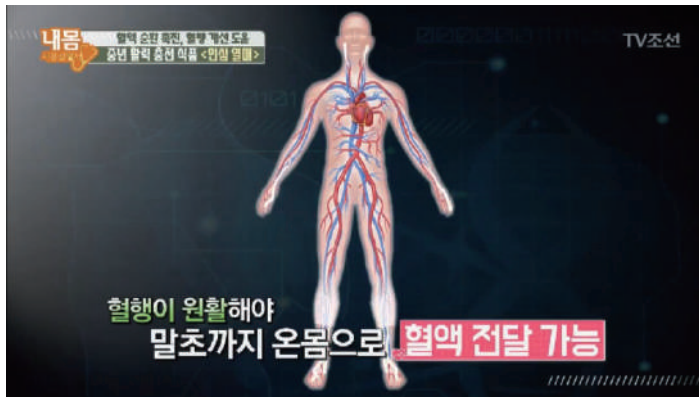
- CONTENTS of Ginsenoside Re
Ginseng Root VS Ginseng berry
(7.42mg/g) (132.23mg/g)



- CONTENTS of Ginsenoside Re
Red Ginseng VS Ginseng berry
(1.4mg/g) (135.16mg/g)

4. The efficacy reference data of Ginseng Berry

3. Effect of Ginseng berry : Improvement of blood circulation



- Ginseng berry is effective in the flow of blood. You can improve the flow of clean blood, helping the vitality of the middle age. The blood circulation should be smooth to deliver blood to the periphery, and the blood nutrients to the cells to help the cells function



- Active Ingredient of Ginseng berry's Ginsenoside Re helps boost immunity by activating immune cells while suppressing harmful free radicals in the body. It can help maintain immunity through regulation and activation of the cytokine, the immune substance.

4. The efficacy reference data of Ginseng Berry

2. Effect of Ginseng berry : Extension of Life

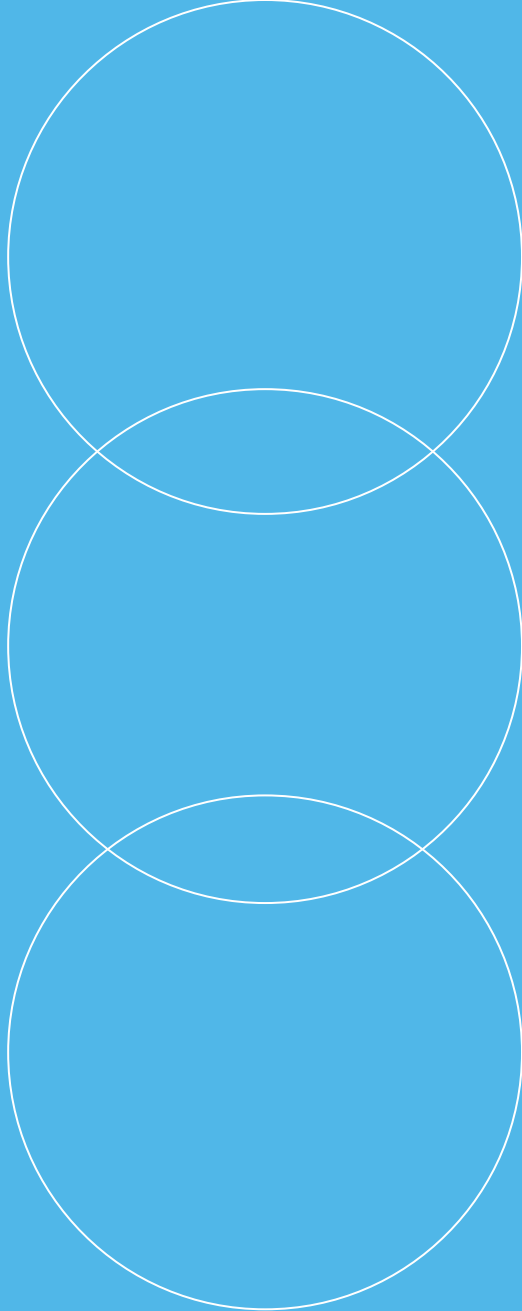


- Ginseng berry is effective in the flow of blood. You can improve the flow of clean blood, helping the vitality of the middle age. The blood circulation should be smooth to deliver blood to the periphery, and the blood nutrients to the cells to help the cells function.



- In an aging study using 70% similar berry flies as a human gene, 80% of the juice extracts showed 25% longer life than the control.

<reference: 2013 Einstein School of Medicine, Inha University>



Company Information

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SMART BODY CARE

SMART DIET PRODUCT

SLIM NIGHT CLA ONEDAY PLUS

과체중인 성인의 체지방 감소에 도움을 줄 수 있는 똑똑한 다이어트 제품
Can help in decreasing body fat in an overweight adult.

● 세계 최초 나노에멀전 기술 상용화 |

The world's first commercialization
of nano-emulsion technology.

● 나노사이즈로 인체 흡수도 향상 |

Absorption enhancement into the body
due to nano-size.

● 안정화된 수용성 CLA |

Stable, water-soluble CLA.



SMART BODY CARE

비만 Obesity

SLIM NIGHT CLA ONEDAY PLUS

과체중 및 비만

Overweight or obesity is



비만 Obesity

정의

과도하게 또는 비정상적으로 지방이 축적된 상태로 건강을 해칠 수 있는 상태를 말한다.

비만 및 지방 축적 기전

- ① 과다 섭취된 탄수화물로 인해 분비된 인슐린의 작용으로 지방 조직에서 지방 분해 억제 및 리포프로테인 리파제[LPL]의 활성화로 지방 합성이 촉진되어 지방 축적됨.
- ② 동물성 및 식물성 지방 섭취 시 지방성분이 지방세포로 이동
- ③ 백색지방세포(white adipose cell)에서 분비된 지방산이 간문맥을 경유하여 직접 간장에 유입되고 인슐린 저항성과 지방 합성을 증강시켜서 지방이 축적됨.

Definition

Overweight and obesity are defined as abnormal or excessive fat accumulation that may impair health.

Mechanism of Fat Accumulation

- ① Insulin secreted from the excessive intake of carbohydrates causes fat accumulation by inhibition of lipolysis and promotion of Lipogenesis from activation of Lipoprotein lipase in adipose tissue.
- ② Fat components are moved to adipose cell when the intake of fats from animals or vegetable.
- ③ Fatty acids secreted from white adipose cells flow into the liver via Hepatic portal vein and lead to accumulate fat by enhancing insulin resistance and Lipogenesis.

비만 유형

Types of Obesity by Body shape



복부형 비만 (상체 비만형)

Abdominal region obesity
(Upper body obesity type)



둔부형 비만 (하체 비만형)

Hip type obesity
(Lower body obesity type)

과체중 및 복부비만

Overweight and
Abdominal Obesity

왜 비만이 나쁜가

Why is obesity bad ?

만성 질환 유발

Causing Chronic Diseases

제 2형 당뇨병
심혈관 질환 : 심근 경색, 고혈압 등
관절 질환 / 피부 (셀룰라이트)

Type 2 Diabetes
Cardiovascular diseases
: Myocardial infarction,
Hypertension, etc
Joint diseases
Skin troubles(cellulite)

다이어트 제품 유형

History of Diet Products

1세대 1st Generation

몸에 흡수되지 않는 비영양성 섬유질

→ 섬유질만의 섭취는 비타민 · 미네랄 등 영양 섭취 방해

Non-nutritional fiber which is not absorbed in the body.
→ Only the intake of fibers interferes with absorption of other nutrition such as vitamins, minerals.

2세대 2nd Generation

수분 과흡수 시 팽창하는 섬유소

→ 위의 부담 증가 및 영양 결핍 초래

Swelling fiber by excessive moisture absorption.
→ increasing the pressure on the stomach and malnutrition.

3세대 3rd Generation

탄수화물 또는 지방 흡수 및 지방 대사 억제 성분

→ 지방 축적을 방지하지만 축적된 지방의 제거에 효과적

Inhibition of lipid metabolism and absorption of carbohydrates or Lipids.
→ Preventing fat accumulation, but being less effective to remove the accumulated fat from the body.

4세대 4th Generation

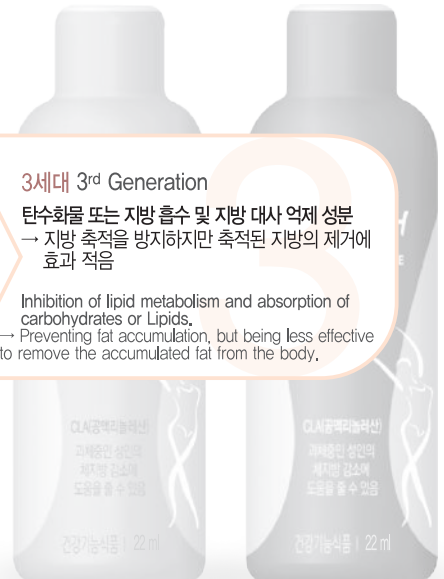
지방 축적 억제 및 지방 분해 촉진

지방의 비만 세포에의 축적 방지 / 축적된 지방(특히, 복부 비만)을 제거하는데 높은 효과

Inhibition of fat accumulation and Promotion of Lipolysis.

Preventing fat accumulation in mast cell.

Being more effective to remove the accumulated fat (especially in the abdominal obesity)



SMART BODY CARE

공액리놀렌산, CLA(Conjugated Linoleic acid)
SLIM NIGHT CLA ONEDAY PLUS

CLA란

What is CLA?

공액리놀렌산(CLA, Conjugated Linoleic Acid)은 홍화씨로부터 추출한, 이중결합과 단일결합으로 구성된 식물성 필수지방산의 한 종류이다. 체지방 감소, 복부비만 등 다이어트 효과가 검증된 기능성 원료이다.

2006년 한국 식약청으로부터 “과체중인 성인의 체지방 감소에 도움을 주는 기능성 소재”로 인정받아 건강기능식품 공전에 등재된 다이어트 소재이다.

CLA (Conjugated Linoleic Acid) extracted from “safflower seed” is a kind of essential fatty acids consisting of a double bond and a single bond, CLA is a safe functional ingredient proven as the diet effect such as the reduction of body fat and improvement of abdominal obesity.

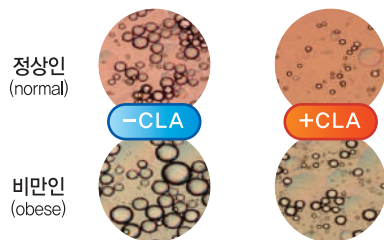
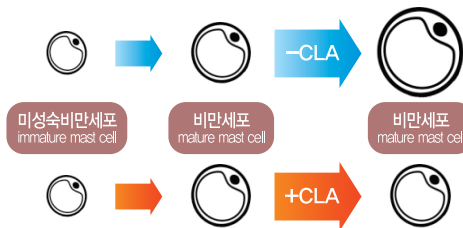
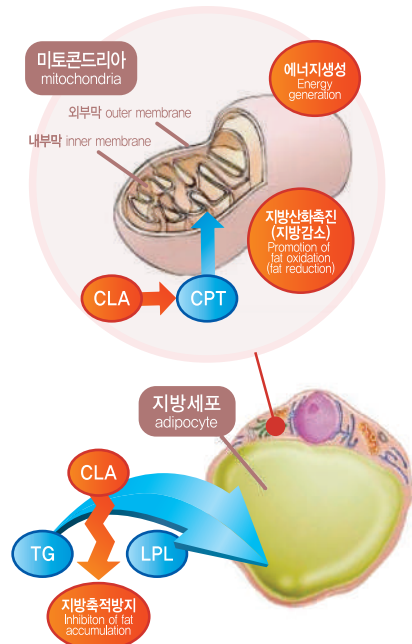
By the Korea Food and Drug Administration in 2006, it was approved as one of functional materials for diet, which can help in decreasing body fat in overweight adult and was also listed in Health Functional Food Codex.



CLA의 작용 기전

Action Mechanism of CLA

- 지방축적 억제**
혈액으로 운반되는 지방은 LPL(Lipoprotein Lipase) 효소의 활성화에 의해 비만 세포에 축적된다. CLA는 이 LPL의 활성을 저해시켜 비만세포에 지방축적을 방지한다.
- Inhibition of Fat accumulation**
Fat carried into the blood is accumulated in mast cell by activation of LPL(Lipoprotein Lipase) enzyme, CLA can help in preventing fat accumulation in mast cell by inhibiting the activity of LPL.
- 베타 산화 촉진에 의한 지방의 분해 증가**
미토콘드리아 내에서 CLA에 의해 활성화된 CPT (Carnitine Palmitoyl Transferase)의 베타 산화 촉진으로 지방이 산화(지방 분해)되어, 축적된 지방이 감소된다.
- Increase of Lipolysis by promoting β -Oxidation**
In the mitochondria, CPT(Carnitine Palmitoyl Transferase) activated by CLA promotes to degrade the accumulated fat by Lipid β -oxidation mechanism which is resulting in reduction of fat in adipose cell.
- 지방세포수 및 크기의 감소**
CLA는 비만세포의 분화와 성장을 억제하여 지방세포 수 및 크기를 감소시킨다.
- Reduction of Numbers & Sizes of Fat cells**
CLA inhibits the differentiation and growth of mast cells and reduces fat cells.



CLA의 효과

CLA's effectiveness

다이어트 효과 Diet effectiveness

체지방 감소
지방세포수 감소
Reduced body fat by fat oxidation
Reduced the fat cell number

미용 효과 Beauty effectiveness

매끈하고 깨끗한 피부
셀룰라이트 제거
Smooth and clean skin
Removal of cellulite

건강유지 효과 Health effectiveness

날씬한 몸매 유지(요요방지)
과체중 및 비만으로 인한 질환 예방
Keep slim figure(YO-YO prevention)
Prevention of diseases resulting from overweight and obesity

SMART BODY CARE

나노에멀전 Nano-Emulsion

SLIM NIGHT CLA ONEDAY PLUS

나노에멀전 수용성 CLA 특징

Nano-Emulsion Water Soluble CLA's Advantages

세계 최초 나노 에멀전 기술의 상용화
한국, PCT(국제특허), 일본, 중국 등 등록
미국, 유럽, 인도에 특허 공개

The world's first commercialization of Nano-Emulsion
Technology and success in commercialization,
The registered countries : Korea, PCT
(international patent), Japan, China,
The published countries: the United States, Europe, India,

나노 사이즈에 의해 인체 내의 흡수력 향상
특수 지질구조를 이용한 생리활성 물질의 흡수력 향상
물에 대한 용해도 향상 및 액상 제제 생산 용이

Enhancing absorption in the body by Nano-Size,
Improving absorption of Bioactive substances,
using special lipid structure,
Better Solubility in water and Easier
production of solution,

특 허 PATENT



안정성 STABILITY



특 징 FEATURE



흡수력 ABSORPTIVITY



나 노 NANO

높은 온도 및 멸균공정에서 안정성 유지
낮은 pH 및 높은 pH에서 안정성 유지
제품 생산 시 별도의 유화공정 불필요

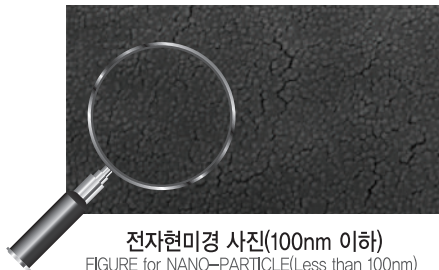
Stable at high temperature and sterilization process,
Stable at Low pH and High pH
An additional emulsification process is not required
during production of preparations such as drinks,

지용성 CLA(일반CLA) 보다 훨씬 작은 입자크기
분포력과 투과력 우수
체내 흡수율 및 다이어트 효과 우수 (임상으로 검증)

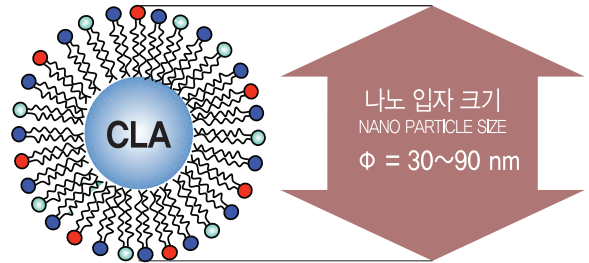
Much smaller particle size than fat-soluble CLA(General CLA)
Higher distribution and penetration into the body,
Better absorption in the body and excellent diet effect
(proven by Clinical study)

왜 나노에멀전(Nano-Emulsion) 인가

Why the nano-emulsion ?



전자현미경 사진(100nm 이하)
FIGURE for NANO-PARTICLE(Less than 100nm)
by ELECTROMICROSCOPE



장기의 입자 분포

Particle Size Distribution in Organs

조직 organs	입자크기 PARTICLE SIZE					
	50nm	100nm	300nm	500nm	1 um	3 um
위 Stomach	1.1(*)	0.65	0.45	1.01	0.27	1.38
소장 Small Intestine	12	3.4	2.03	4.28	1.1	3.63
대장 Large Intestine	14	16	4.32	6.53	2.43	7.53
간 Liver	3.3	3.8	1.38	1.38	0.54	ND
비장 Spleen	0.92	0.69	0.21	0.51	0.24	ND
혈액 Blood	2.2	1.255	1.1	ND	ND	ND
계 TOTAL	33.72	25.95	9.49	13.71	4.56	—

결과 1 합계

50nm 이하 → 34%
100nm 이하 → 26%

RESULT1 : Total in organs

Less than 50nm → 34%
Less than 100nm → 26%

결과 2 간, 소장, 혈액

50nm 이하 → 7%
100nm 이하 → 4%

RESULT2 : LIVER, SPLEEN, BLOOD

Less than 50nm → 7%
Less than 100nm → 4%

결과 03 혈액

300nm 이상 : 미검출

RESULT 3 : BLOOD

More than 300nm : UNDETECTED

※JANI P et al, Journal of pharmacy and pharmacology, 1990, vol.42,

시험조건 : ^{125}I -labelled 둥근고무입자(50nm - microns) Sprague Dawley(rat) : 10일간 투여(1,25mg/kg)

TEST conditions : ^{125}I -labelled ROUND RUBBER PARTICLE(50 nm - microns) Sprague Dawley(rat) : ADMINISTRATION FOR 10DAYS(1,25 mg/kg)

나노에멀전
NANO EMULSION

나노기술로 입자가 매우 작아 각 장기에 분포와 투과가 쉽다. / 특허 받은 특수 지질구조로 흡수율이 높다.

Nanotechnology based particles are easily penetrated and distributed into organs due to much smaller particle size
and also has higher absorption rate originating from special lipid structure of particles patented.

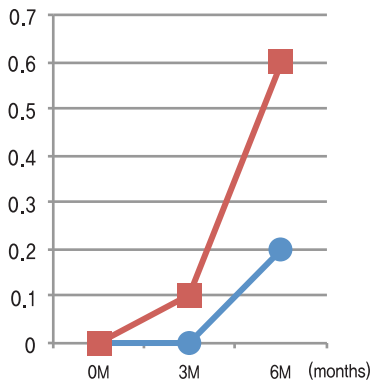
SMART BODY CARE

임상연구 Clinical study

SLIM NIGHT CLA ONEDAY PLUS

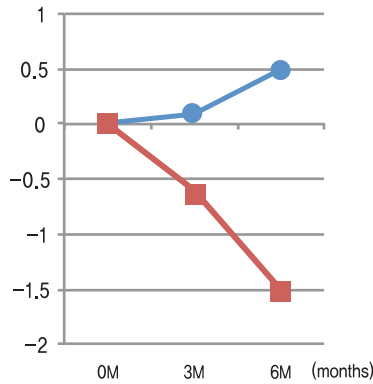
임상 연구

Clinical study



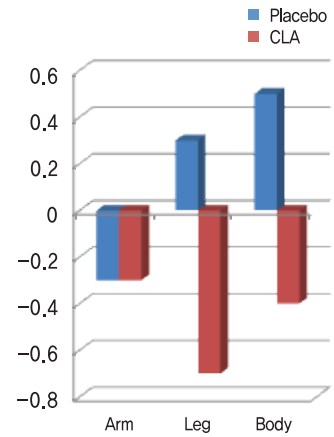
근육량 변화(Kg)

Change in body lean mass



체지방 변화(Kg)

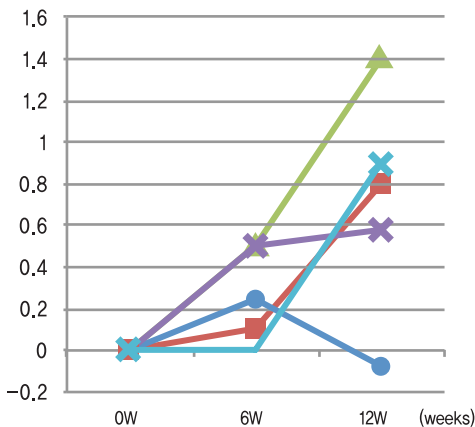
Change in body fat mass



부위별 체지방 감소(Kg)

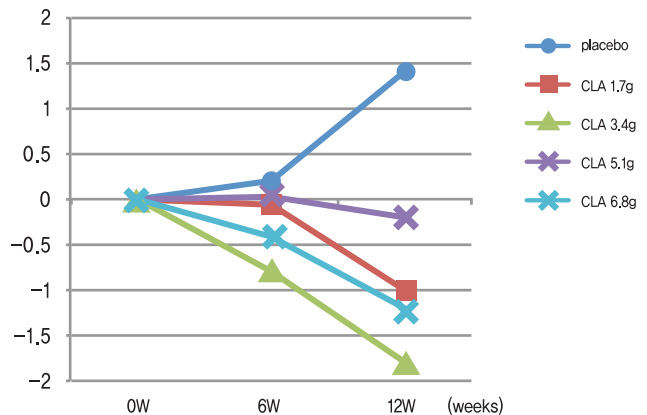
Localization of fat mass reduction

※Gaullier et al, 2007



근육량 변화(Kg)

Change in body lean mass



체지방 변화(Kg)

Change in body fat mass

※Blankson et al, 2000

일반 CLA 1.7g ~ 6.8g
나노 CLA 0.7g ~ 2.8g
매일 섭취

General CLA 1.7g ~ 6.8g
Nano CLA 0.7g ~ 2.8g
Intake every day

시험관 연구

In vitro

지방세포 수 및 크기 감소 Reduction of Numbers & Sizes of Fat cells

지방축적 억제 Inhibition of Fat accumulation

지방산화 촉진(지방분해 증가) Promotion of Fat oxidation(Increase of Lipolysis)

임상 연구

In vivo & Clinical

체지방 감소 Reduction of body fat mass

근육량 증가 Increase of body lean mass

연구 결론

Study conclusion

임상연구결과

Overall conclusion

체지방량 감소 Reduce body fat mass

근육량 증가 Increase body lean mass

체형 유지 Keep body shape

셀룰라이트 감소 Decrease cellulite

부작용 없음 No side effects

SMART BODY CARE

셀룰라이트 Cellulite

SLIM NIGHT CLA ONEDAY PLUS

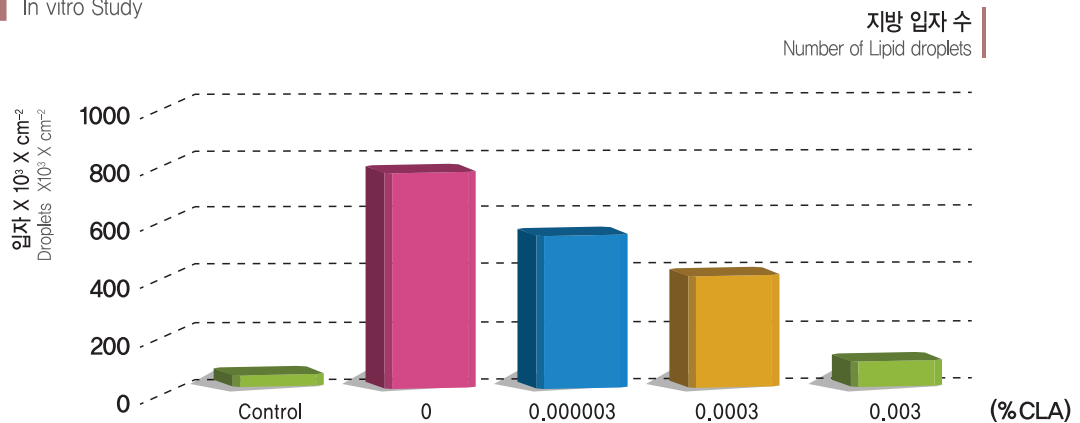
셀룰라이트와 CLA CELLULITE AND CLA



체내에 지방덩어리가 축적되어 피부가 울퉁불퉁한 상태로 허벅지, 엉덩이에 주로 나타난다. 주로 혈액순환, 림프순환이 잘 안 되는 경우, 노폐물·독소·수분 등이 배출 되지 않은 경우 또는 운동부족한 경우에 의해 생긴다.

It means fatty lump accumulated beneath the skin, causing a dimpled or uneven appearance, as around the thighs and buttocks.
It is caused by bad circulation in blood or lymph, bad excretion of water, wastes or toxins and a lack of exercise.

시험관 시험 결과 In vitro Study

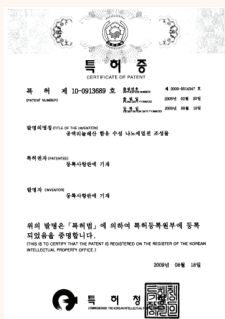


CLA는 지방세포(adipocytes)에 중성지방(Triglyceride)이 축적되는 것을 방지한다.
CLA prevents the accumulation of Triglyceride in fat cell(adipocytes)

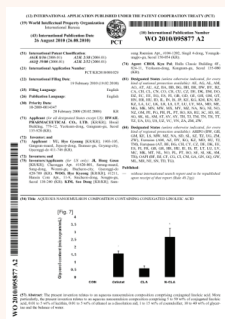
Pentapharm (화장품, 시험관 시험)
Pentapharm (Cosmetics, in vitro)

※International Journal of Cosmetic Science, 2006, 28

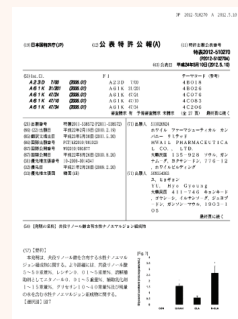
수용성 CLA 특허 Patents on Water-soluble CLA



한국 Korea



국제 PCT



일본 Japan

SMART BODY CARE

스마트 다이어트 제품 SMART DIET PRODUCT

SLIM NIGHT CLA ONEDAY PLUS

[스마트 바디 케어] & [슬림나이트 CLA 원데이 플러스]
[SMART BODY CARE] & [SLIM NIGHT CLA ONEDAY PLUS]



주성분

나노에멀전 수용성 CLA (네덜란드), 저분자피쉬콜라겐, 구연산, 수크랄로스

The main components

Nano emulsion water-soluble CLA (Netherlands), Low Molecular Fish Collagen, Citric Acid, Sucralose

내용량

22mL/병 (CLA 함유량 : 1.47g/병)

Serving size

22mL/bottle (CLA content : 1.47g /bottle)

포장 단위

22mL/병 x 28ea

Packing unit

22mL/bottle x 28ea

섭취방법

1일 1회, 1병(22mL)을 흔든 후 마신다 (잠자기 전에 마시면 좋다.)

Dosage

Take one bottle(22mL) a day after shake it (better taking it before sleep at night.)

섭취대상자

People who need

- 과체중으로 다이어트가 필요하신 분
- 복부 및 허리 등에 체지방이 축적된 분
- 지방 축적 방지 및 체지방 감소를 원하시는 분
- 잦은 회식 및 간식 등으로 뱃살이 걱정되시는 분

A person who

- needs a diet as overweight,
- has fat accumulation in abdomen or waist,
- wants to prevent fat accumulation and reduce body fat,
- concerns about the increase of flesh of the belly due to frequent dinners or parties,

스마트 바디 케어
슬림나이트 CLA 원데이 플러스
제품특징

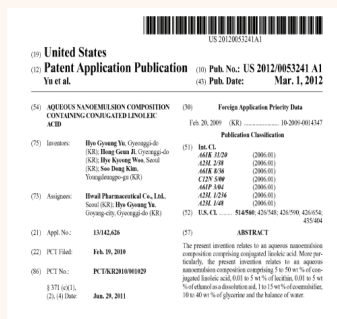
Features of "Smart Body
Care & Slim Night CLA
Oneday Plus" only

- 세계 최초 나노에멀전 기술 상용화
- 나노 사이즈로 인체 흡수도 향상
- 안정화된 수용성 CLA
- 특수 지질구조를 이용한 생리활성물질의 흡수력 향상
- 복용 및 휴대하기 쉬운 슬림 포장
- NSF, FGMP 인증 설비에서 생산
- STEPHAN LIPID Nutrition 사의 Clarinol (네덜란드) 사용

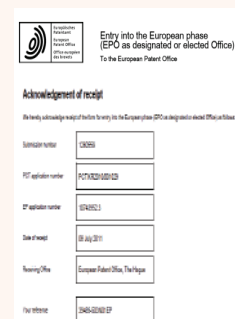
- The world's first commercialization of nano-emulsion technology,
- Absorption enhancement into the body due to nano-size,
- Stable, water-soluble CLA
- Improvement of absorption of bioactive substances caused by a special lipid structure,
- Slim package for convenient intake and being easily portable,
- Production in NSF & FGMP certified facilities
- Using CLA "Clarinol" made in STEPHAN LIPID Nutrition in Netherlands



중국 China



미국 USA



유럽 Europe



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