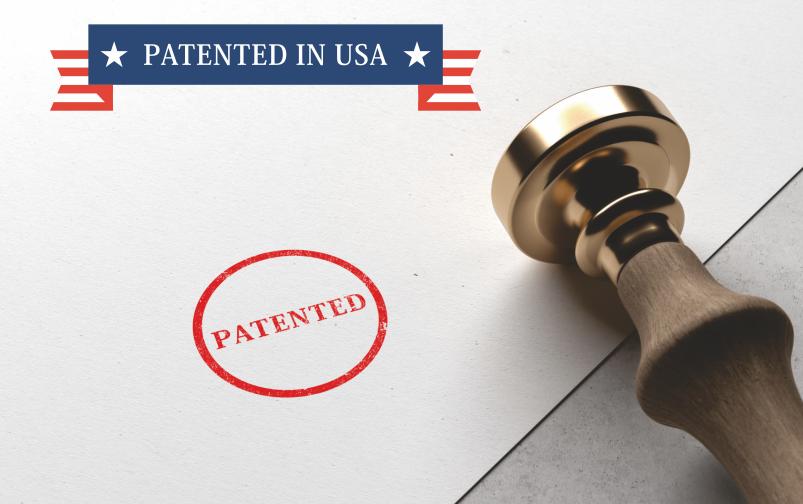
### INTRODUCING

### **OBEPPARALPHA**





WHEN

### Loose



# Obepparalpha

YAGONA 285 mg Capsules (A Patented blend of Oleoylethanolamide, Pantethine and Valine)

# Oleoylethanolamide (OEA) Increases the Expression of PPAR- $\alpha$ and Reduces Appetite and Body Weight in Obese people: A Clinical Trial

- A randomized, double-blind, placebo-controlled clinical trial was carried out on 60 healthy obese people.
- Analysis was done on 56 participants who continued intervention until the end of the study.
- Two Groups:

**Group-1** Intervention Group (N=27) **Group-2** Placebo Group (N=29)

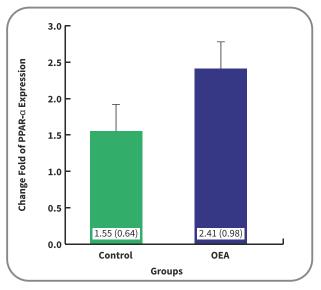
#### Dosage:

*Intervention group* received two 125 mg OEA capsules daily. *Placebo group* received the same amount of starches.

Duration of Study: 60 days

PPAR-α gene expression, Weight, body mass index, waist circumference, and fat percent were observed after 60 days.

### Results:



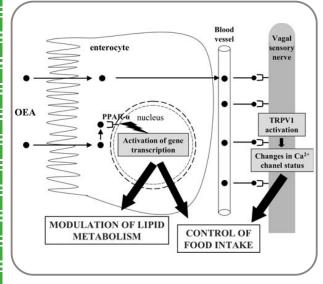


Fig: Mean (SD) difference in fold-change of PPAR-α expression in OEA and control groups

Possible mechanisms of the actions of OEA in the management of Obesity

PPAR-α gene expression was increased (mean ± SD) 2.41 ± 0.98 fold in the intervention group vs. 1.55 ± 0.644 fold in the placebo group.

Table: The effect of OEA supplementation on the anthropometric measurements and body composition in obese people (n=56)

Variables	OEA group (n=27)	Placebo Group (n=29)	F (df, Error), np2	p**
Weight (kg)				
	02.0/12.2\	01.2 (12.6)		
Before	93.0(13.2)	91.2 (13.6)		
After	91.8 (13.1)	91.7 (13.5)	F (1, 49)= 14.512, 0.228	<0.001
t (df), p*	t (26) = 3.24, 0.003	t (28) = -1.93, 0.063		
BMI (kg/m²)				
Before	34.7 (2.4)	35.1 (2.8)		
After	34.4 (2.5)	35.4 (2.8)	F (1, 49)= 9.666, 0.165	0.003
t (df), p*	t (26) = 1.91, 0.067	t (28) = -2.71, 0.011		
Waist circumference (cm)				
Before	105.3 (13.8)	102.5 (10.5)		
After	100.6 (14.5)	103.0 (11.6)	F (1, 49) = 18.671, 0.276	<0.001
t (df), p*	t (26) = 5.03, < 0.001	t (28) = -0.59, 0.559		
Hip circumference (cm)				
Before	118.8 (9.0)	119.4 (7.6)		
After	116.7 (9.2)	119.0 (7.6)	F (1, 49)= 2.979, 0.057	0.091
t (df), p*	t (26) = 2.88, 0.008	t (28) = 0.63, 0.545		
Fat mass (kg)				
Before	36.3 (7.6)	34.5 (6.2)		
After	35.1 (7.5)	35.2 (6.6)	F (1,49) = 14.089, 0.223	<0.001
t (df), p*	t (26) = 3.99, < 0.001	t (28) = -2.24, 0.033		
Fat-free mass (kg)				
Before	57.3 (14.3)	55.5 (13.2)		
After	58.0 (14.6)	57.7 (13.0)	F (1, 48)= 3.023, 0.059	0.088
t (df), p*	t (25) = -0.46, 0.646	t (28) = -2.08, 0.046		
Fat percent (%)				
Before	39.1 (6.9)	37.7 (8.4)		
After	38.1 (6.9)	38.0 (5.7)	F (1,49) = 0.009, <0.001	0.923
t (df), p*	t (26) = 4.49, < 0.001	t (28) = -2.08, 0.766		

Data were presented as Mean (SD)

\*paired t-Test

\*\* ANCOVA test after adjusting for baseline measurements and confounder factors including age, sex, occupational and educational status.

Supplementary data for Paired t-Test presented as t (dF), p.

Supplementary data for ANCOVA test presented as F (df, Residual or Error), Partial Eta Squared or np<sup>2</sup>.

- Weight, body mass index, waist circumference, and fat percent decreased significantly at the end of the study in the intervention group.
- Hunger, the desire to eat, and cravings for sweet foods decreased significantly and fullness increased significantly by the end of study in the intervention group at the end of study.
- Participant reported **no side effect or symptoms** either during OEA treatment or at the end of Intervention.
- Conclusion: Use of OEA as a complementary approach could be effective in suppressing appetite and modulating energy balance in obese people.

## Obepparalpha

YAGONA 285 mg Capsules (A Patented blend of Oleoylethanolamide, Pantethine and Valine)

### **Description-**

Obepparalpha is novel approach to manage Body mass index. It is a patented blend that contains Oleoylethanolamide, Pantethine and Valine.

#### Indication-

Obepparalpha due to its lipid modulating and anti-inflammatory activity has been indicated mainly for Metabolic Syndromes including obesity management resulting in weight loss and weight maintenance.

Obepparalpha is also indicated in obese patients with NAFLD due to weight loss property.

#### Mechanism of action-

**Obepparalpha** works by the following mechanisms in the Obesity conditions:

- 1. Induces satiety via peripheral nervous system stimulation
- 2. Modulates the fatty acids in the body by -
- By increasing the fatty acid uptake
- By increasing the fatty acid β-oxidation
- By reducing the synthesis of lipogenesis
- 3. Exerts anti-inflammatory effect
- 4. Helps in the Inhibition of cholesterol synthesis

Thus, Obepparalpha presents a NOVEL and SAFER APPROACH towards OBESITY related METABOLIC DISORDERS by modulating β-oxidation of Fats and reducing de-Novo lipogenesis. Further, it regulates many co-factors involved in obesity like inducing satiety-leading to fed state scenario- so there is no excessive dietary fat, attenuating the liver inflammatory cytokines- making the condition less severe and inhibition of cholesterol synthesis which is the main complication in Obesity related Metabolic disorder

### Dosage-

Recommended dose is 1-2 capsules in a day or as suggested by Healthcare professional.

### Frimline Private Limited

(A subsidiary of La Renon Healthcare Private Limited)

511- ISCON Elegance | Circle P | Prahlad Nagar Cross Roads | S.G. Highway | Ahmedabad- 380015 | Gujarat | India.

Phone: +91-79-6616-8999 (30 lines) | E-mail: info@frimline.com | Web: www.frimline.com

### USA PATENT CERTIFICATE

