

Imdermalab[®] ArMorpheus

In the arms of Morpheus

The Best Relaxing & Sleeping Booster



ArMorpheus™

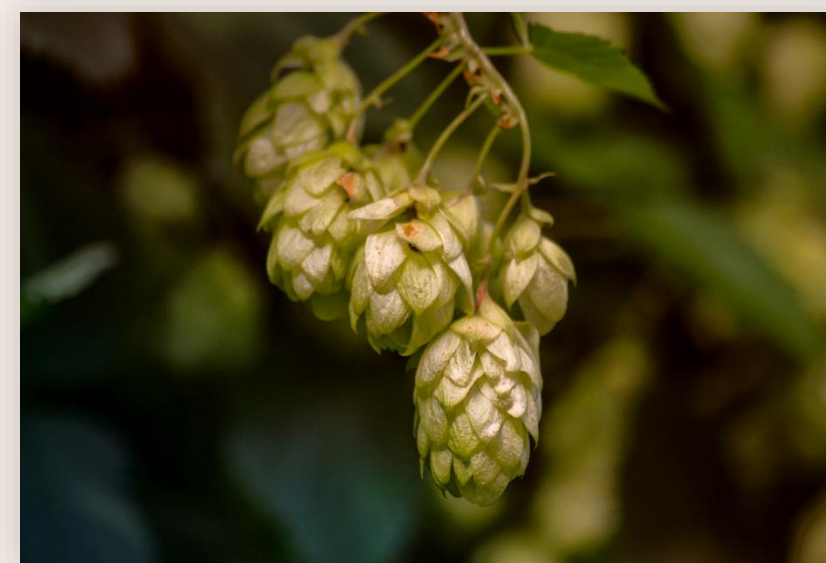
- Natural Botanical Sources
- GRAS grade
- Molecular Grade Purification Technology
- Prove by Brain Wave Evaluation
- Prove by Sleep Evaluation



Ingredients



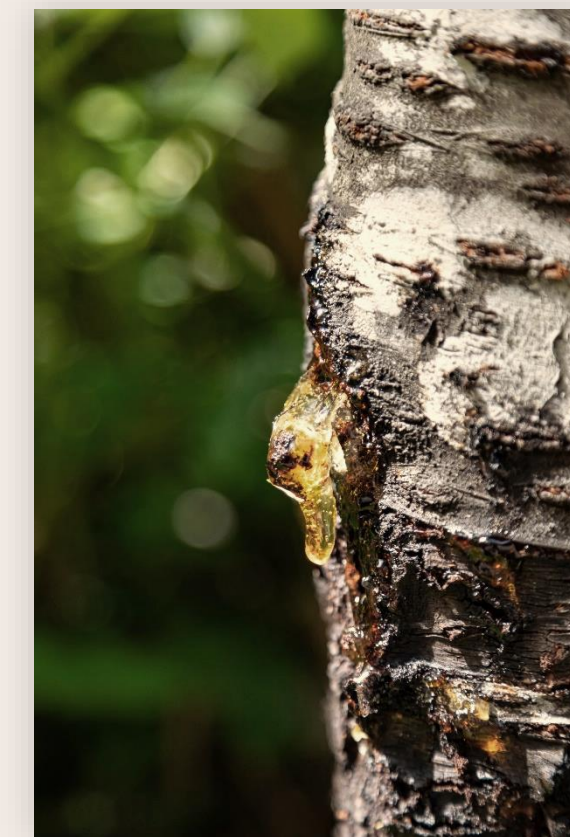
Key lime



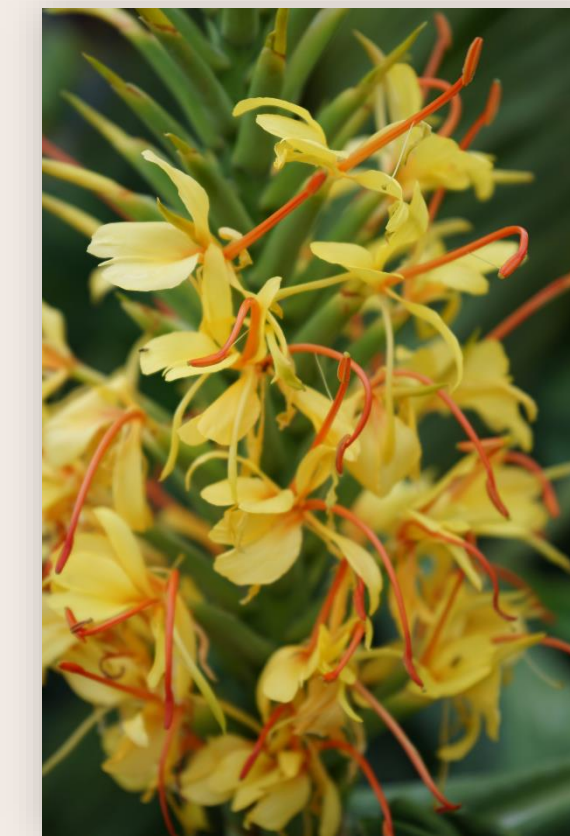
Hop



Galbanum



Copaiba



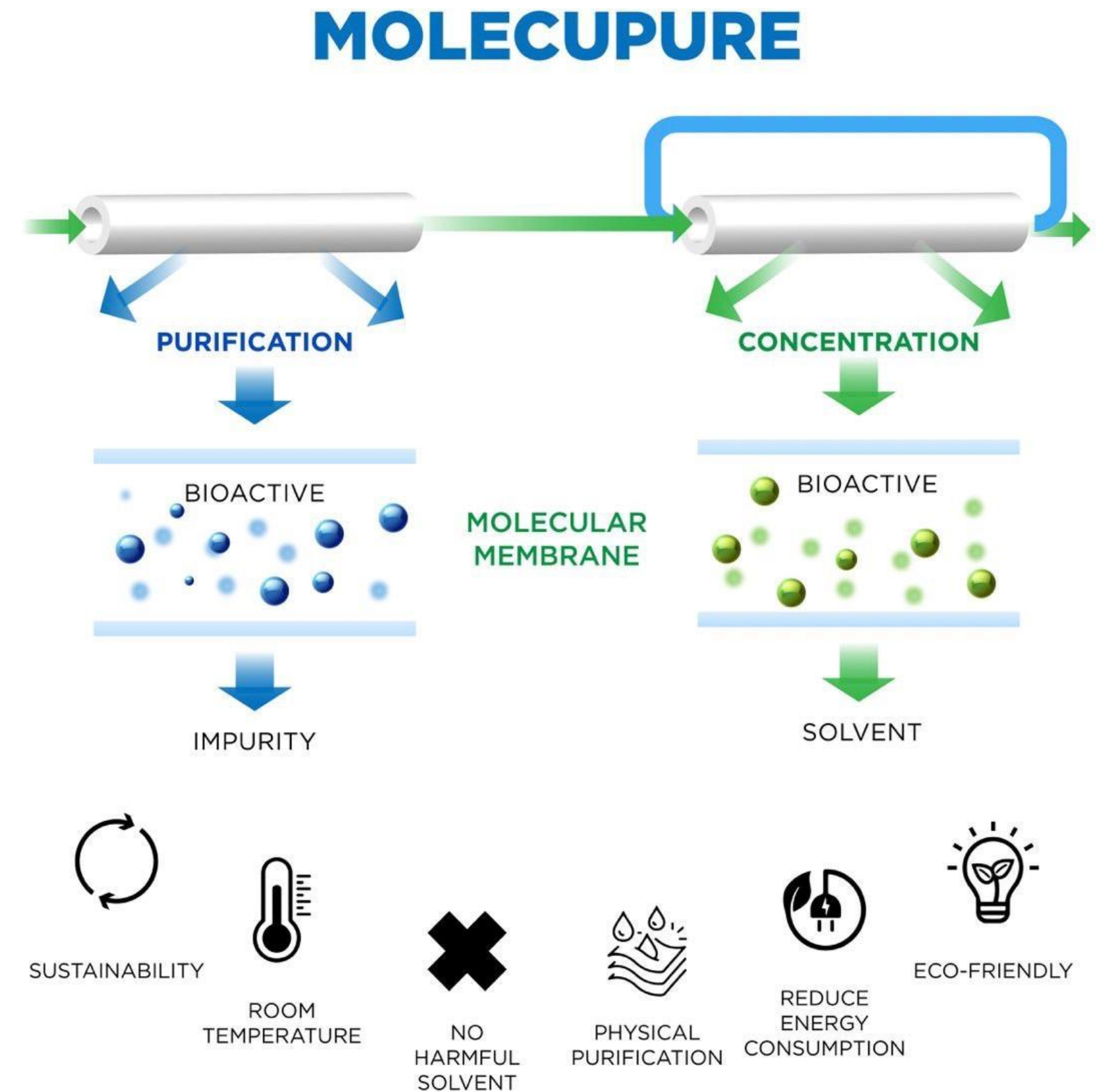
Longoza

ArMorpheus™ Refined Extracts

- Molecular Grade Purification Technology
- Removes essential oil risk components and impurities

Removed components	
β -Myrcene	The WHO publishes carcinogens
Citral	Skin irritating ingredients
Limonene	Skin photosensitivity ingredient
Other	Various sensitizing and stimulating ingredients

From : WHO-IARC





Galbanum

(Ferula galbaniflua Boiss)

The essential oil of galbanum distilled from galbanum resin, mixed with the warm smell of forest and musk, is suitable for soothing melancholy, anxiety and uneasiness. The multiple essential oil components of galbanum have a good soothing effect on skin redness, swelling, inflammation and discomfort.



Longoza

(Hedychium coronarium J. Koenig)

Extracted from the root of wild ginger flower, the unique slight spice and deep and tranquil breath of wild ginger flower give people a relaxed and calming feeling.

Essential oils have skin conditioning, antioxidant and anti-inflammatory effects, effectively repairing the skin and promoting skin regeneration.



Key lime

(Citrus x aurantifolia Christm.)

Lime essential oil is extracted from fresh peel by cold pressing. Its fresh and energetic fragrance can promote positive mood, balance and stimulate the body and mind. It can also relax with appropriate concentration regulation. At the same time, it has practical application value for anti-inflammatory, astringent, analgesic and soothing of skin.



Copaiba

(Copaifera langsdorfii Desf.)

Copaiba essential oil is derived from the resin of the *Copaifera reticulata* tree. Its aroma helps to relieve tension and anxiety and helps to relax before bedtime. Widely used in cosmetics, it has natural anti-inflammatory, anti-bacterial and healing properties when applied to the skin and is also used to combat acne.



Hop

(Humulus lupulus L)

The essential oil of hop is distilled from the cones of hop, and the fresh herbal smell allows people to relax their spirits and have a calming effect on the central nervous system. When applied to the skin, it effectively tightens the skin, calms the skin inflammation, reduces the redness and discomfort of the skin, and relieves pain.

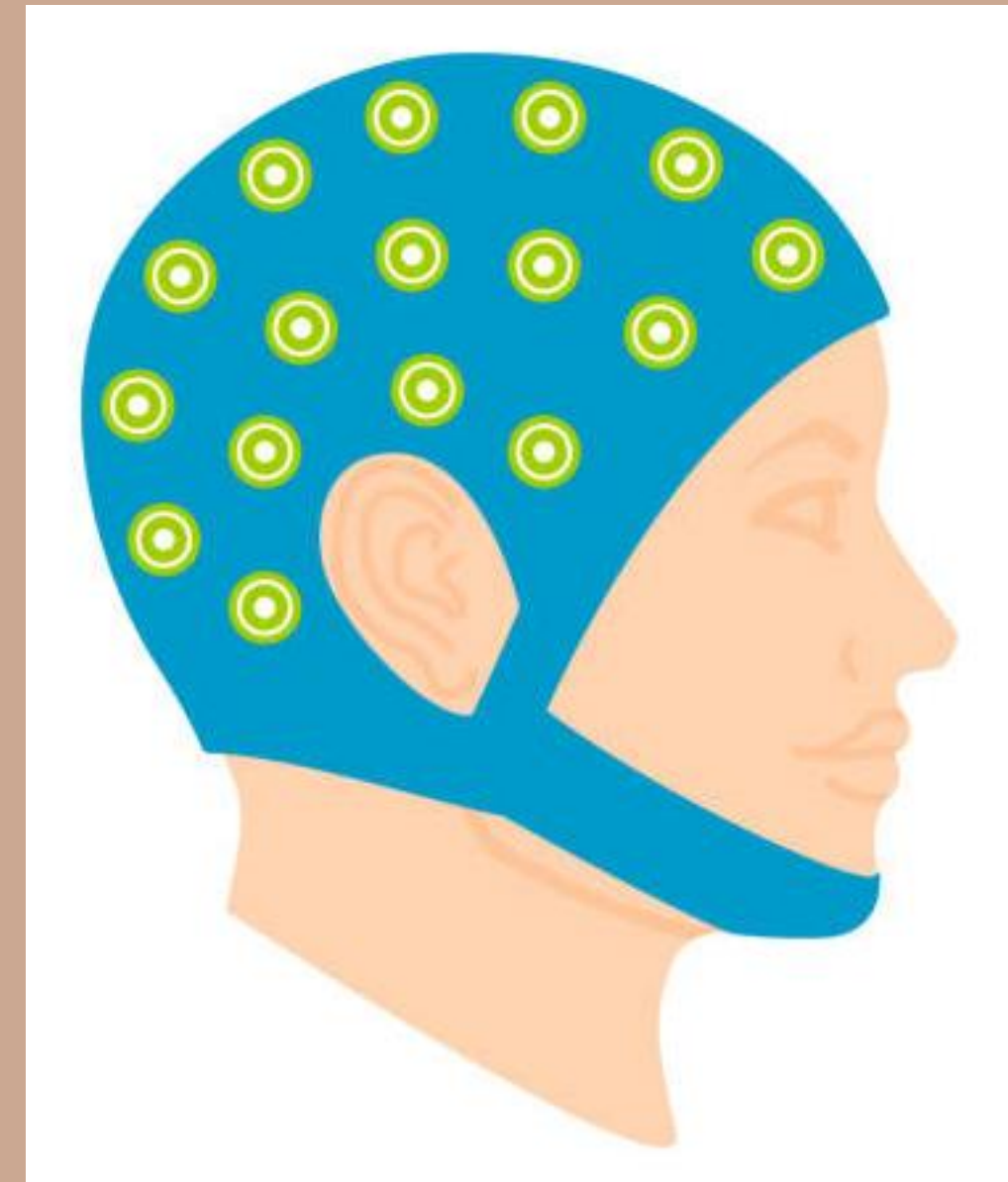
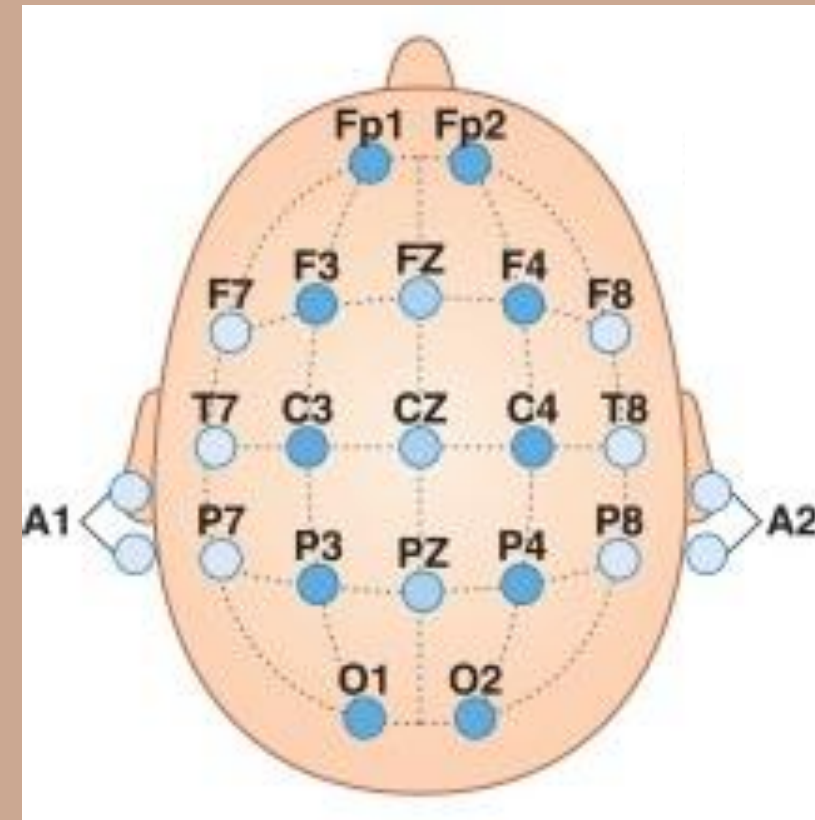


“

How was your day ?

Did you sleep well ?

Brainwave



Brain waves are physiological data that can reflect a person's state of mind and can be detected to observe changes in brain activity.

When people are awake, sleeping, opening or closing their eyes, the frequency of brain waves will vary significantly.

The Alpha (α) and Beta (β) waves are the connected between wake and sleep, and change as you fall asleep.

Brainwave classification



Beta (β) Waves



「 Consciousness level 」

The brain waves that appear during concentration, thinking and nervousness, the increase of β brain waves can make the body enter a state of wakefulness and concentration, but too strong β brain waves consume a lot of physical and mental energy, easily causing tension, anxiety, inattention and sleep disorders.

Alpha(α) Waves



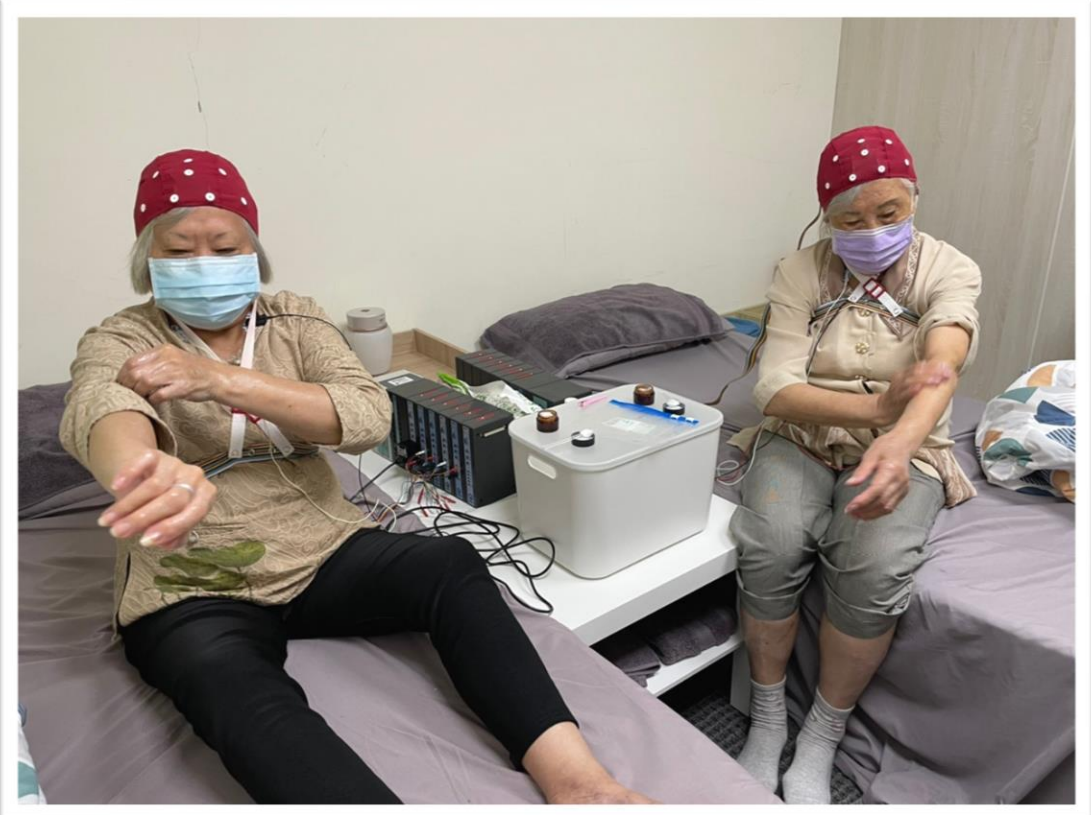
「 Between the conscious and the subconscious 」

The brain waves that appear during rest and relaxation, the increase in alpha brain waves can make the body enter a comfortable and relaxed state, help reduce physical and mental energy consumption, and help the body enter a state of rest and sleep.

From:

1. Hasler, R., Perroud, N., Meziane, H. B., Herrmann, F., Prada, P., Giannakopoulos, P., et al. (2016). Attention-related EEG markers in adult ADHD. *Neuropsychologia*, 87, 120-133.
2. Whitehead, K., Pressler, R., & Fabrizi, L. (2017). Characteristics and clinical significance of delta brushes in the EEG of premature infants. *Clin Neurophysiol Pract*, 2, 12-18.
3. Rozengurt, R., Shtoots, L., Sheriff, A., Sadka, O., Levy, D. A. (2017). Enhancing early consolidation of human episodic memory by theta EEG neurofeedback. *Neurobiol Learn Mem*, 145, 165-171.
4. Vecchiato, G., Toppi, J., Astolfi, L., Fallani, F. D. V., Cincotti, F., Mattia, D., et al. (2011). Spectral EEG frontal asymmetries correlate with the experienced pleasantness of TV commercial advertisements. *Med Biol Eng Comput*, 49(5), 579-583.
5. Tempel, T., Frings, C., & Pastötter, B. (2020). EEG beta power increase indicates inhibition in motor memory. *International Journal of Psychophysiology*, 150, 92-99.

NTUST Business Incubation Center : GloryAge sleep lab

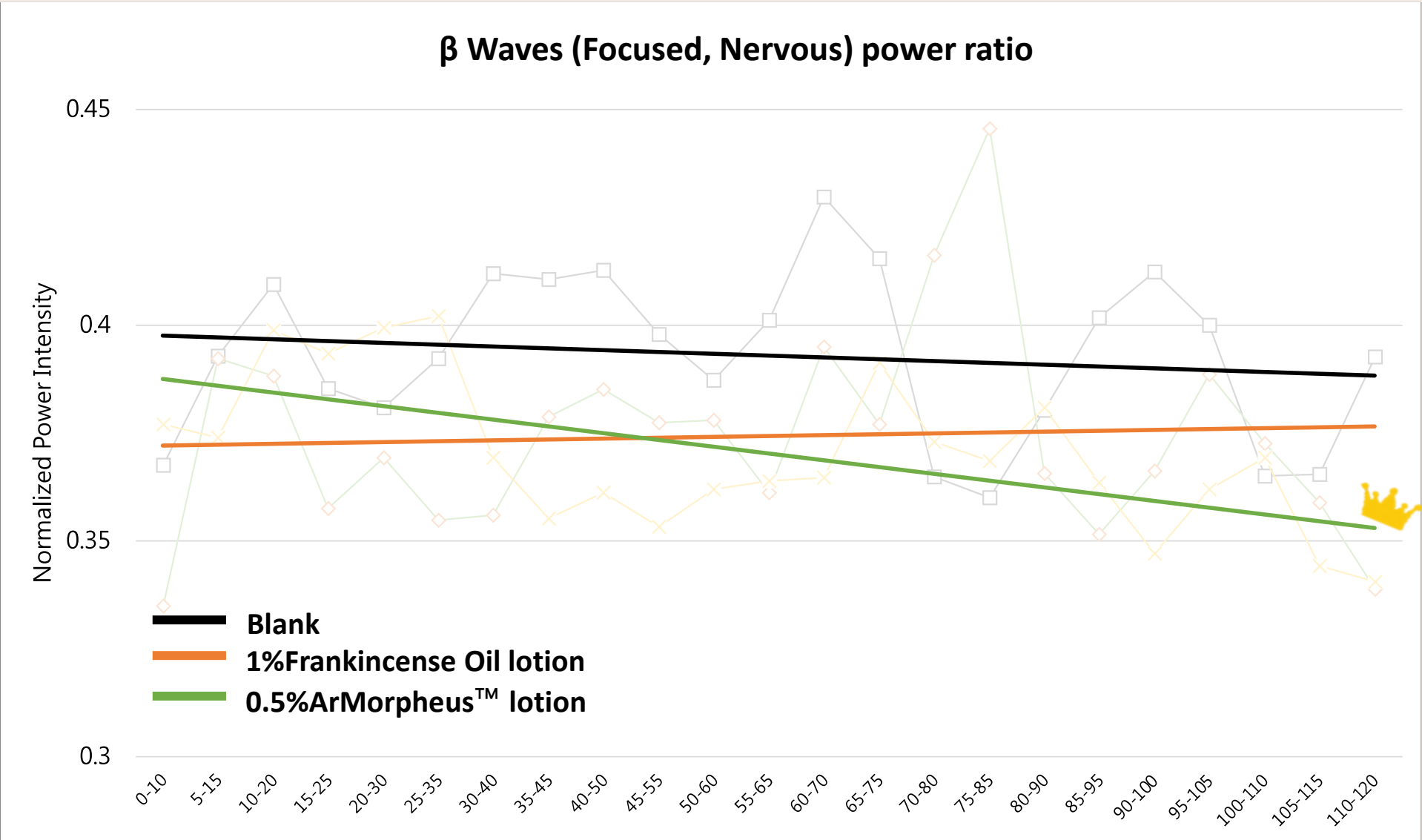


Sleep Test-Brainwave (Better to fall asleep) - β Waves

β Waves

(Focused, Nervous)

As the β waves decrease, the body feels relaxed, and helped to bring the body to rest.



0.5% ArMorpheus™ lotion decreased β brain wave (Focused, Nervous)

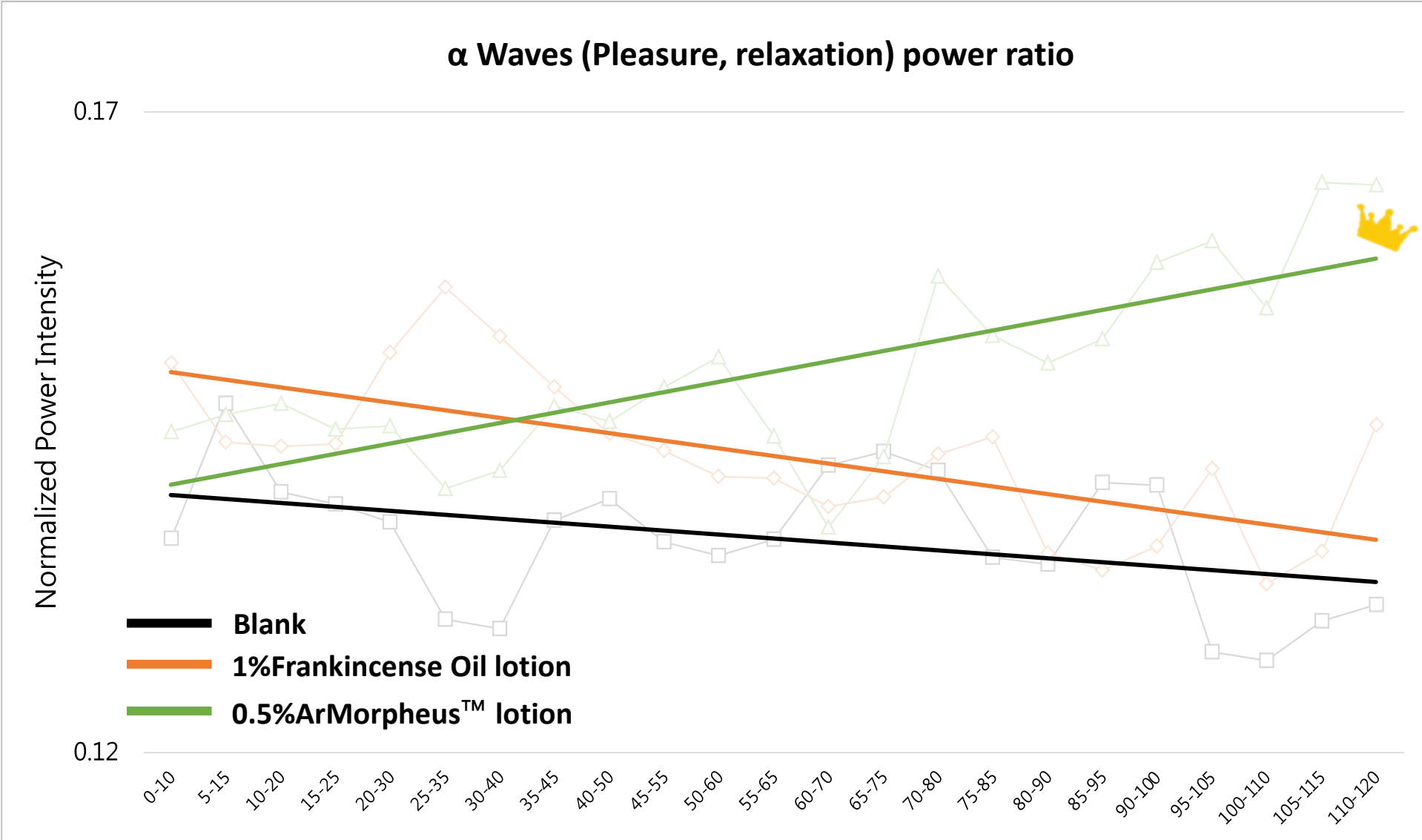
power by about **50%**

Sleep Test-Brainwave (Better to fall asleep) - α Waves

α Waves

(Comfort, Relaxation)

As the α increase, the body feels comfortable, relaxed, and helps the body fall asleep.

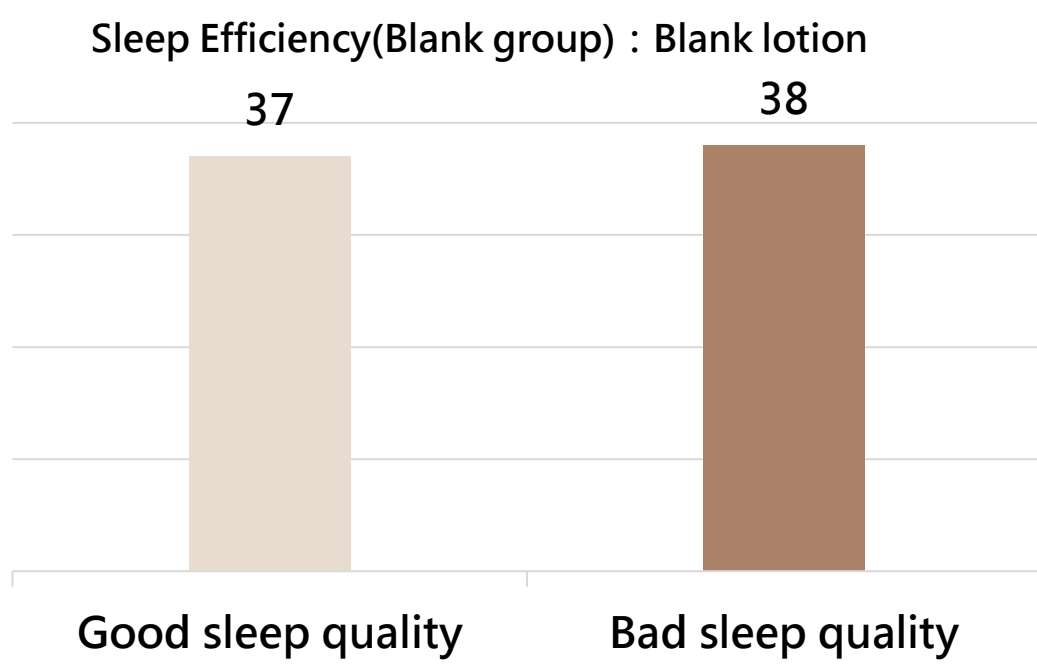


0.5% ArMorpheus™ lotion increased α brain wave (Comfort, Relaxation)

power by about 7%



Sleep Test- Activity Monitor : Sleep Efficiency (Sleep better)

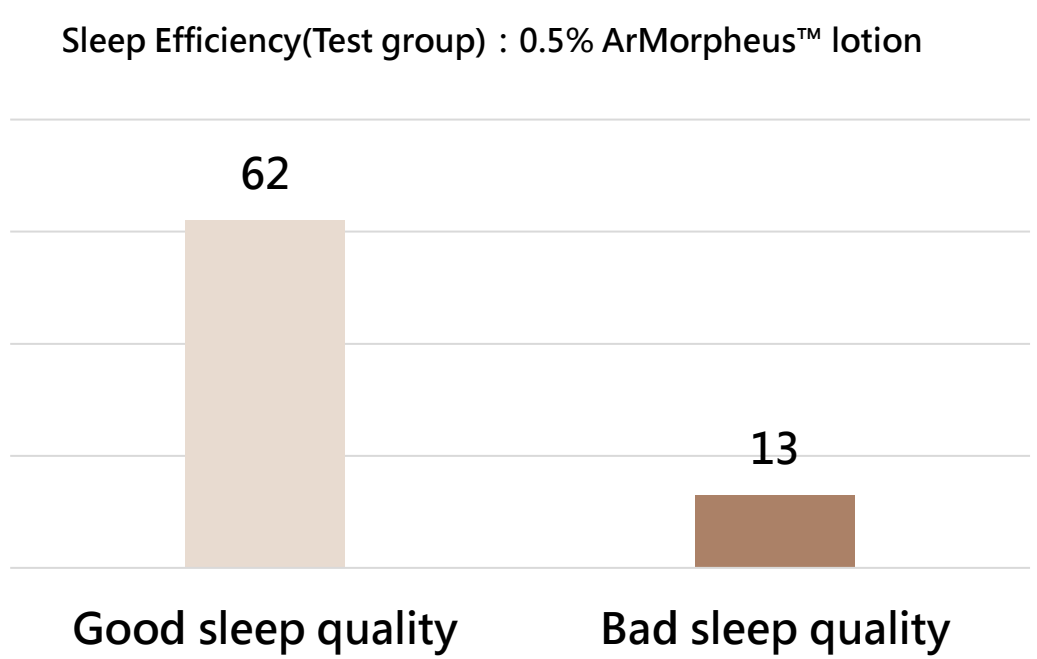


	D1	D2	D3	D4	D5
#01	88%	94%	90%	91%	90%
#02	84%	97%	92%	95%	98%
#03	87%	82%	85%	91%	90%
#04	90%	86%	80%	91%	91%
#05	86%	93%	81%	74%	89%
#06	85%	73%	76%	76%	82%
#07	80%	86%	83%	83%	82%
#08	80%	80%	84%	85%	85%
#09	95%	79%	84%	90%	83%
#10	67%	74%	79%	75%	91%
#11	82%	84%	87%	89%	80%
#12	89%	88%	87%	87%	80%
#13	79%	82%	80%	82%	81%
#14	86%	69%	75%	85%	57%
#15	83%	84%	80%	86%	85%

0.5% ArMorpheus™ lotion can improve sleep efficiency by **67%**

Determine the time to fall asleep

$$\text{Sleep Efficiency} = \frac{\text{Time to fall asleep}}{\text{Total Bedtime}}$$



	D1	D2	D3	D4	D5
#01	95%	95%	97%	96%	88%
#02	90%	98%	93%	91%	94%
#03	96%	95%	98%	95%	92%
#04	93%	88%	83%	95%	86%
#05	100%	98%	92%	93%	85%
#06	78%	91%	88%	65%	57%
#07	88%	81%	94%	90%	93%
#08	92%	86%	93%	89%	93%
#09	91%	87%	94%	92%	76%
#10	88%	78%	73%	84%	79%
#11	90%	94%	75%	94%	91%
#12	83%	87%	70%	93%	84%
#13	93%	95%	87%	88%	89%
#14	91%	98%	99%	95%	91%
#15	98%	95%	96%	98%	94%

sleep efficiency rating	
90-99%	Good sleep quality
86-89%	
85%	
80-84%	Bad sleep quality
70-79%	
60-69%	
50-59%	

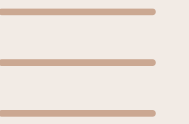
Scented candles recommended formula



PHASE	INGREDIENTS	INCI NAMES	%
A	IDD	ISODODECANE	20
	IHD	ISOHEXADECANE	50
	ArMorpheus™	FERULA GALBANIFLUA (GALBANUM) RESIN OIL · HEDYCHIUM CORONARIUM ROOT EXTRACT · CITRUS AURANTIFOLIA (LIME) PEEL EXTRACT · COPAIFERA OFFICINALIS (BALSAM COPAIBA) RESIN · HUMULUS LUPULUS (HOPS) FLOWER EXTRACT · DL-A-TOCOPHERYL ACETATE	30

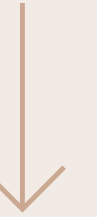
1. Mix well to combine with phase A.

Sleep lotion recommended formula



PHASE	INGREDIENTS	INCI NAMES	%
A	Gengel	SODIUM ACRYLATES COPOLYMER (AND) LECITHIN	1
	ININ	ISONONYL ISONONANOATE	3
	MCT	CAPRYLIC/CAPRICTRIGLYCERIDE	3
	DM-10	DIMETHICONE	3
	L85	MINERAL OIL	3
	Water	WATER	74
B	MBAA	PROPANEDIOL 、 1,2-HEXANEDIOL 、 CAPRYLHYDROXAMIC ACID 、 LACTOCOCCUS/BEAN SEED EXTRACT FERMENT FILTRATE 、 BUTYLENE GLYCOL 、 PENTYLENE GLYCOL	1
	Glycerin	GLYCERIN	3
	Alcohol	ALCOHOL	3
	Tween 80	POLYSORBATE 80	1
C	ArMorpheus™	FERULA GALBANIFLUA (GALBANUM) RESIN OIL 、 HEDYCHIUM CORONARIUM ROOT EXTRACT 、 CITRUS AURANTIFOLIA (LIME) PEEL EXTRACT 、 COPAIFERA OFFICINALIS (BALSAM COPAIBA) RESIN 、 HUMULUS LUPULUS (HOPS) FLOWER EXTRACT 、 DL-A-TOCOPHERYL ACETATE	5
D	TN33133	FRAGRANCE	0.4

1. Weighing phase A and B respectively
2. Add B to phase A
3. Add phase C.D and until emulsion is formed.



Imdermalab[®] ArMorpheus

Product Appeal :

Relieve emotions and stress

Relax and help with sleep

Product Specifications :

Recommended Concentration : 1 - 5 %

Appearance : Light yellow oil solution

INCI :

FERULA GALBANIFLUA (GALBANUM) RESIN OIL ∙ HEDYCHIUM CORONARIUM ROOT

EXTRACT ∙ CITRUS AURANTIFOLIA (LIME) PEEL EXTRACT ∙ COPAIFERA OFFICINALIS

(BALSAM COPAIBA) RESIN ∙ HUMULUS LUPULUS (HOPS) FLOWER EXTRACT ∙ DL- α -

TOCOPHERYL ACETATE