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# BIODINE V

**A Biometric Active**

**for Sensitive Skin**



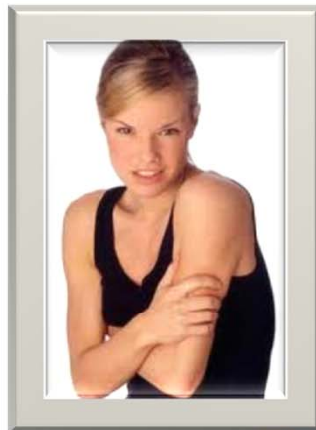


# Sensitive Skin

Often Used – Never Defined

“**Sensitive skin** is actually a skin that is more prone to irritations, stinging, redness, discomfort or damages”

Cosmetics for sensitive skin are perceived by the consumer as better balanced and safer.





# Sensitive Skin

Often Used – Never Defined

Scientific difference  
between  
a sensitive skin and a normal skin:

A sensitive skin has a **lower barrier against the environment**

- 🌿 Sensitive Skin
- 🌿 TEWL higher
- 🌿 Dry Skin
- 🌿 Elderly Skin



- Sun Damages
- Sea Water
- Wind, Cold
- Shower
- Diaper Area
- Laser Therapy

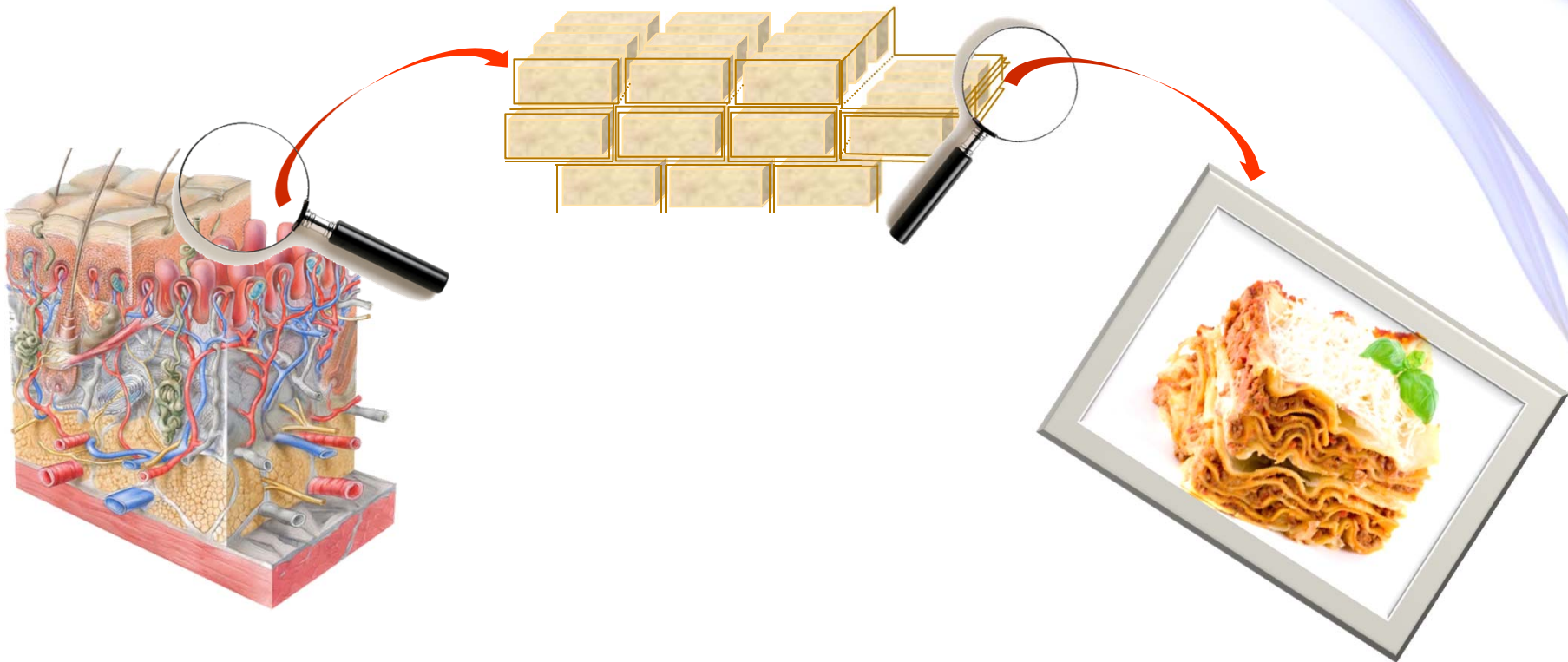




# The skin Barrier

## Lasagne model

The lipids are stored in a unique laminar structure which forms a barrier both against lipophilic and hydrophilic contaminants. This structure can be compared to a lasagna.



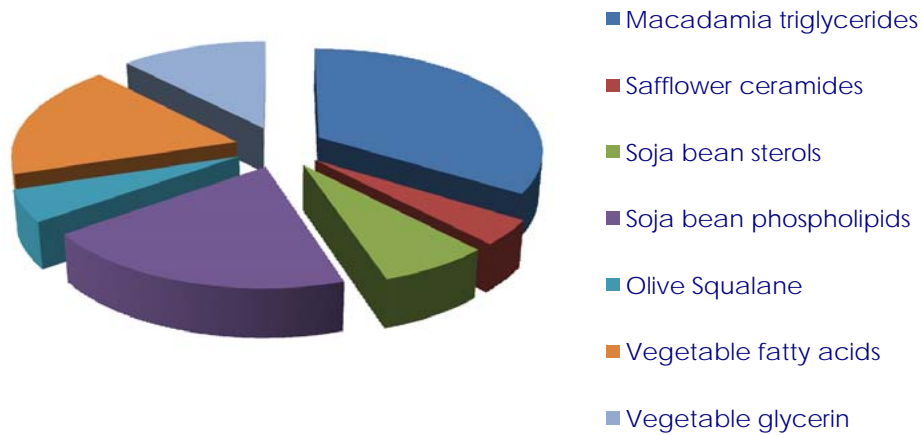


# BIODINE V

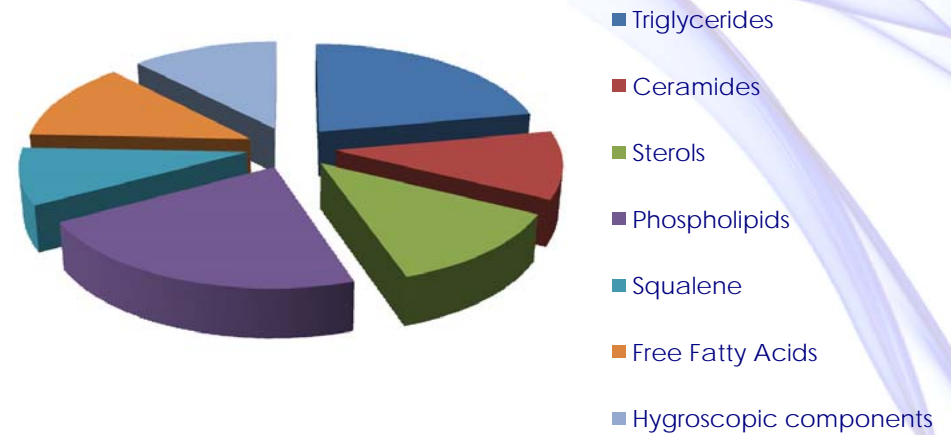
## Composition vs Skin Lipids

Biodine V is a mixture of vegetable lipids that mimics the skin lipids

BIODINE V COMPOSITION



SKIN LIPIDS

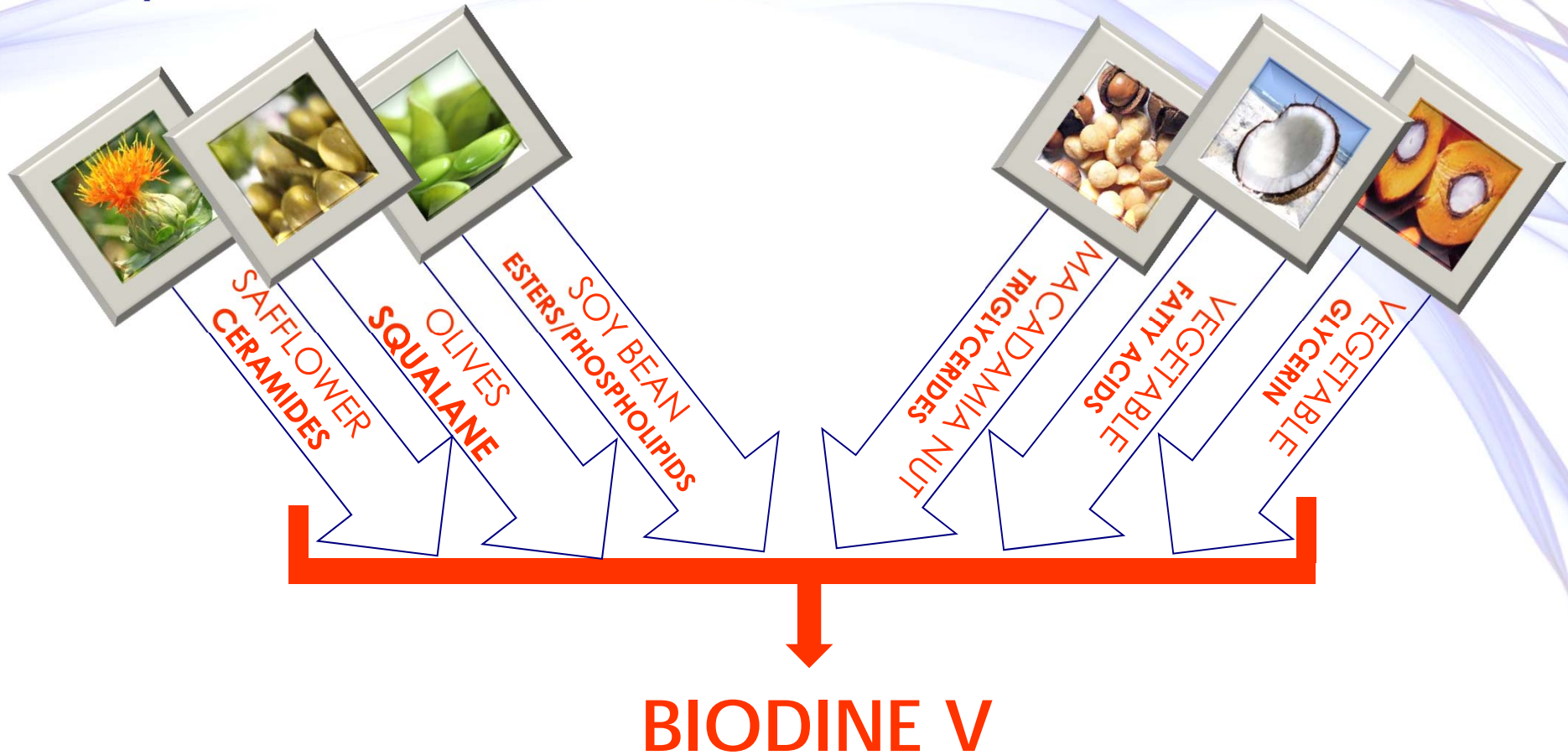


But not only the composition is similar also the structure.



# BIODINE V

## Composition





# BIODINE V

## The way of action

- 🌿 Biodine is able to repair the skin barrier by filling the spaces where skin lipids are missing
- 🌿 The effect is both immediate and long-lasting
- 🌿 Biodine is readily absorbed

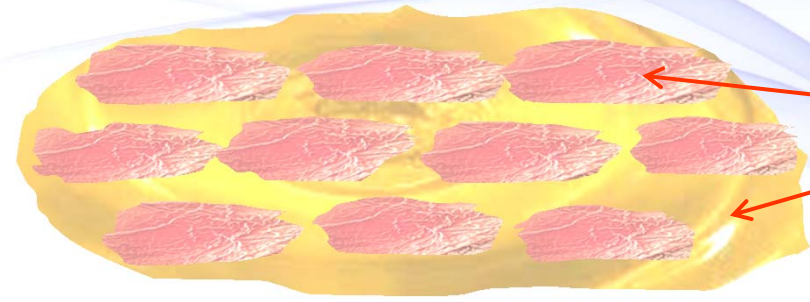




# The skin Barrier

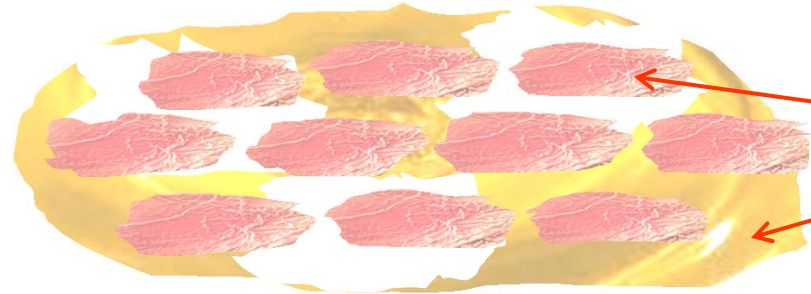
## Brick-Mortal Model

**NORMAL  
PERFECT SKIN**



Corneocytes-protein based brick  
Lipids based brick

**DAMAGED SKIN**

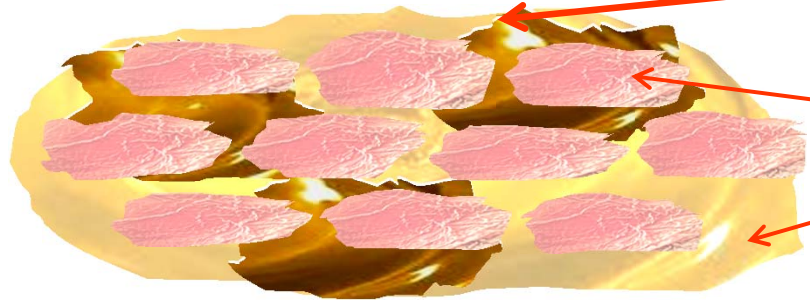


Corneocytes-protein based brick  
Lipids based brick

**BIODINE V**



**BIODINE V  
REPAIRED SKIN**



Biodine V  
Corneocytes-protein based brick  
Lipids based brick



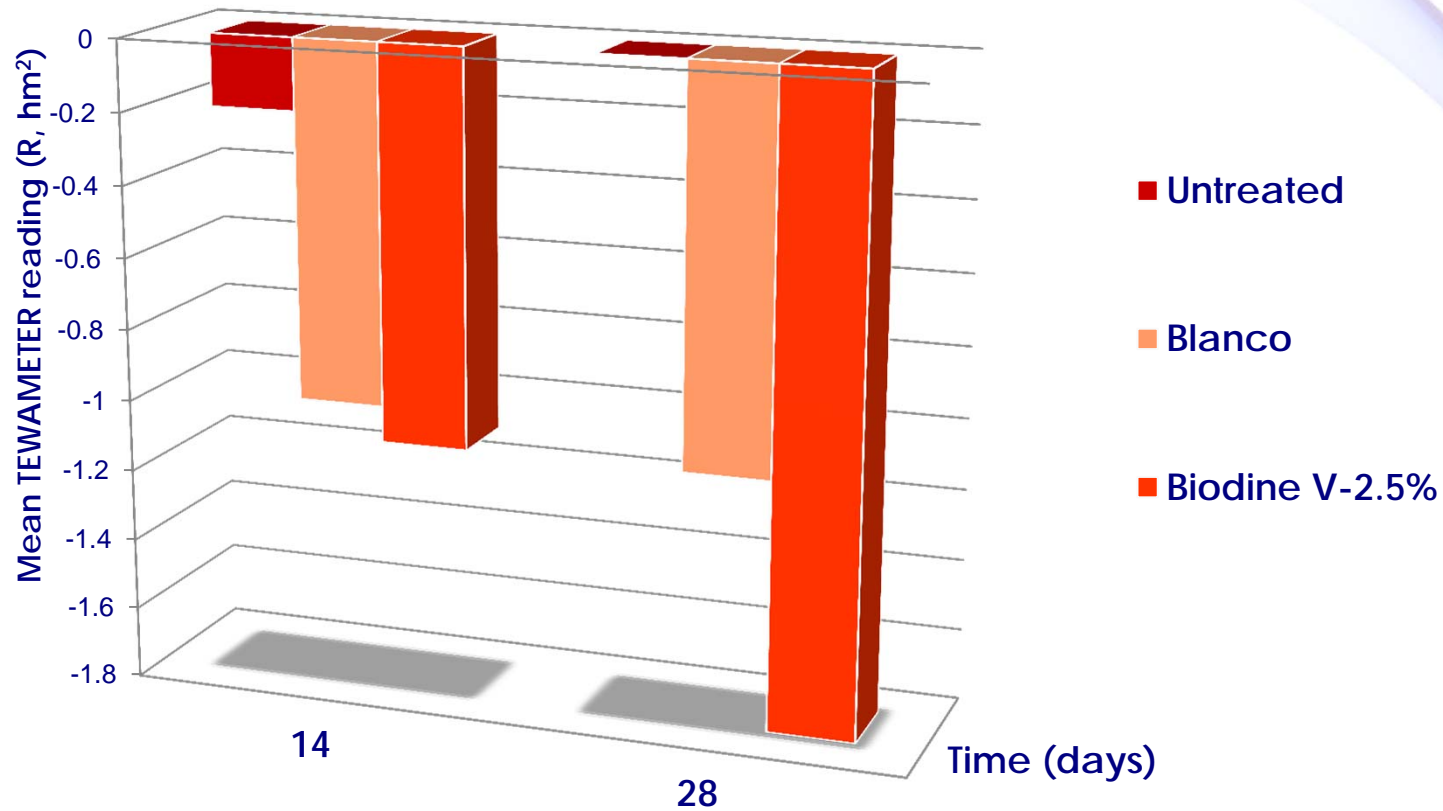


# BIODINE V

## Efficacy tests - TEWL



### Reduction of TEWL



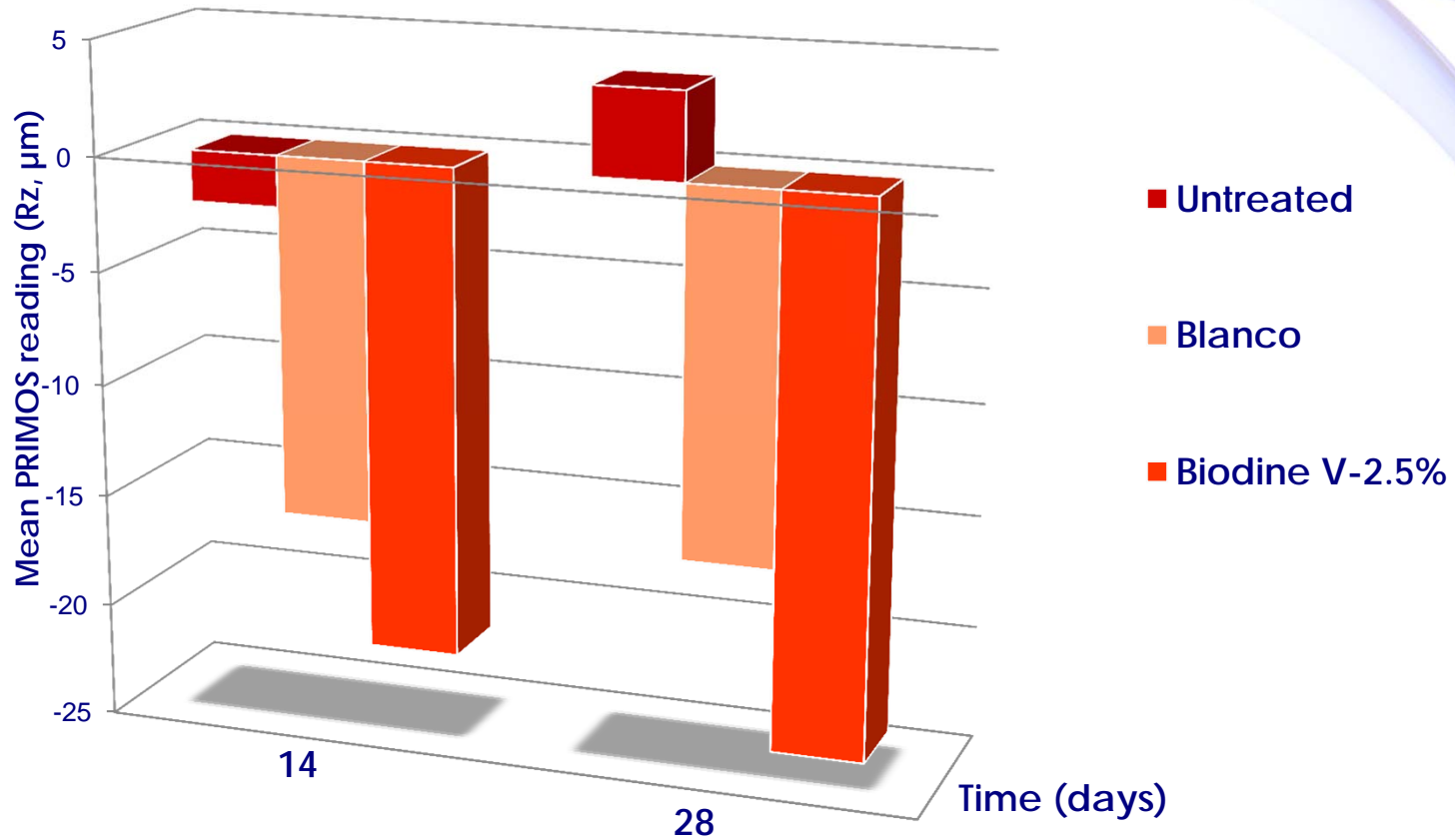


# BIODINE V

## Efficacy tests – Skin Roughness



### Reduction of Skin Roughness



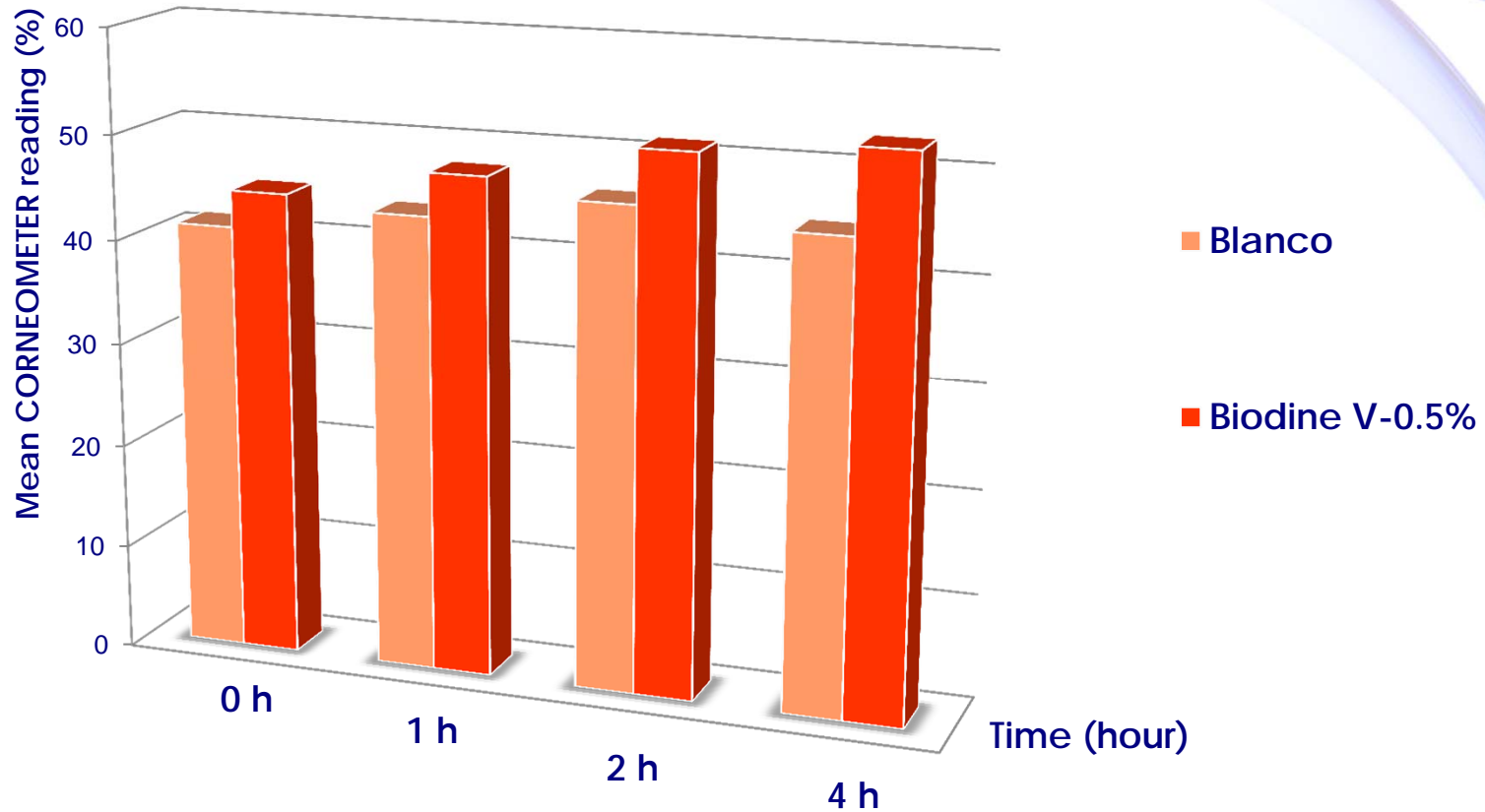


# BIODINE V

## Efficacy tests - Skin Hydration



### Skin Hydration - O/W Cream



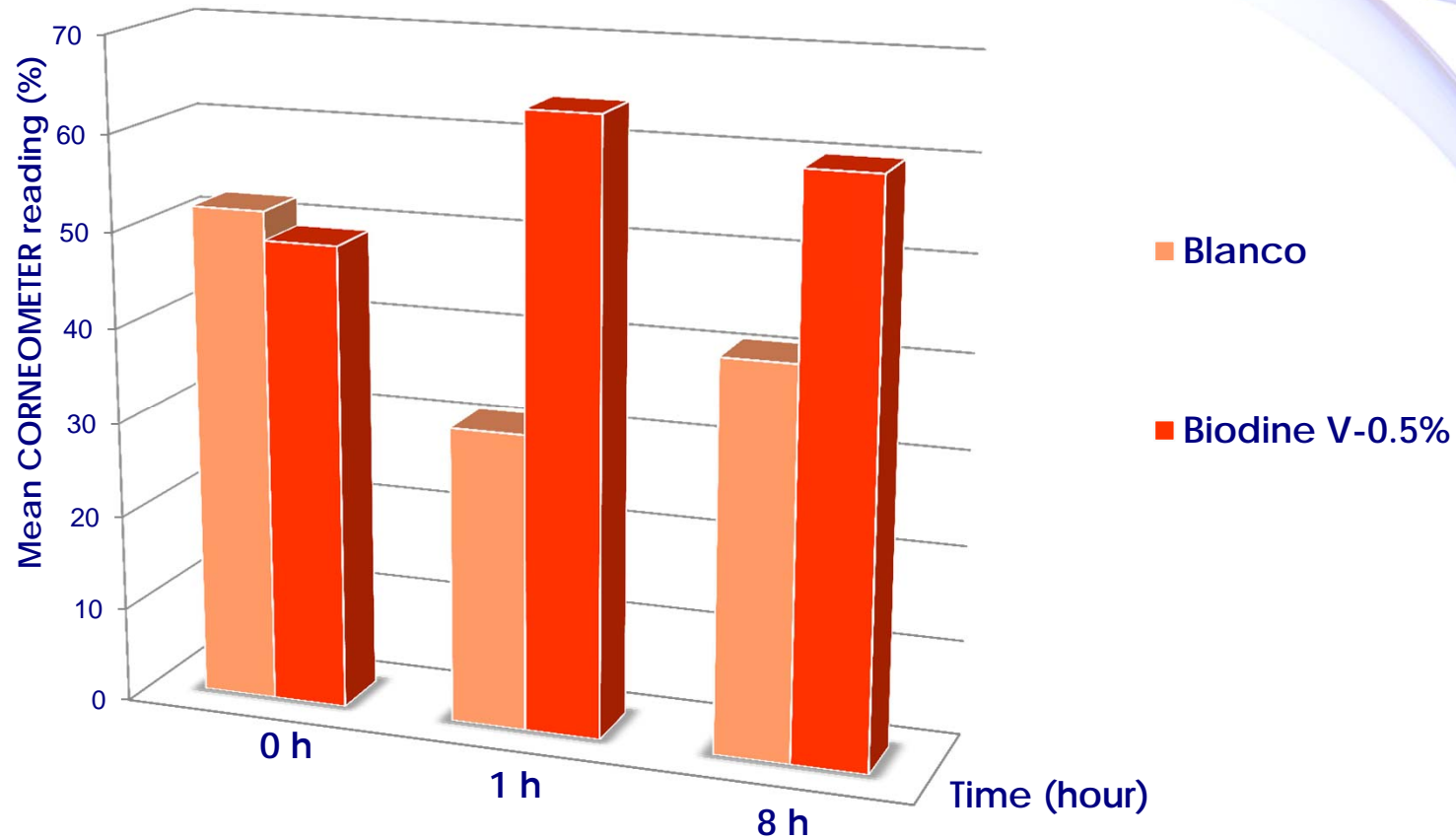


# BIODINE V

## Efficacy tests – Skin Hydration



### Skin Hydration - Body Wash





# BIODINE V

## Summary

- 🌿 Biodine is a no nonsense active ingredient for active cosmetics
- 🌿 Biodine is 100% natural
- 🌿 Biodine works in a natural way
- 🌿 Biodine is a quick fix for repairing
- 🌿 Biodine supports a long lasting effect
- 🌿 Biodine gives healthy and resistant skin
- 🌿 Biodine smoothers the skin
- 🌿 Biodine is active in rinse off and leave on cosmetic products





# BIODINE V

## Application

- 🌿 Day & Night creams
- 🌿 Bodylotions
- 🌿 Babycream
- 🌿 Shower products
- 🌿 Handcream
- 🌿 After Sun
- 🌿 Cosmoceuticals





# BIODINE V

## Formulations

- 🌿 Biodine V Gel - BG-110228-A
- 🌿 Smoothing Body Lotion - BBL-110308-B
- 🌿 Nourishing Cream - BNC-110308-B
- 🌿 Hydrating Boost Shower Cream -BSG-110308-C





# BIODINE V

## Biodine V Gel - BG-110228-A



Phase	Ingredient	INCI	Activity	%	
				Blanco -BL	Active -25
A	Water	Aqua		QS	QS
	Euxyl K300	Phenoxyethanol, Methylparaban, Butylparaben, Ethylparaben, Propylparaben, Isobutylparaben	Preservative	QS	QS
	Rhesperse RM100	Sodium Polyacrylate	Thickener Stabilizer	1.2	1.2
	Propylene Glycol	Propylene Glycol	Solvent	1.9	1.9
B	<b>Biodine V</b>	<i>Macadamia Ternifolia Oil, Phospholipids, Glycine Soja Sterol, Stearic Acid, Glycerin, Safflower Oil/Palm Oil Aminopropanediol Esters, Squalane</i>	<b>Active Ingredient</b>	<b>0</b>	<b>2.5</b>





# BIODINE V

## Smoothing Body Lotion - BBL-110308-B



Phase	Ingredient	INCI	Activity	%
A	Water	Aqua		QS
	Sodium Benzoate	Sodium Benzoate	Preservative	QS
	Potassium Sorbate	Potassium Sorbate	Preservative	QS
	Glycerin	Glycerin	Humectant	3
	Mg SO <sub>4</sub> x 7H <sub>2</sub> O	Magnesium Sulfate	Stabilizer	0.7
B	<b>Neocare P3R</b>	<i>Polyglyceryl-3 Rolyricinoleate, Polyglyceryl-3 Ricinoleate</i>	<b>Emulsifier</b>	<b>4</b>
	Myglyol 812	Caprylic/Capric Triglyceride	Emollient	5
	Crodamol IPM	Isopropyl Mirystate	Emollient	2.5
	Coconut Oil, Refined	Cocos Nucifera Oil	Vegetable Oil	4
	Apricot Oil, Refined	Prunus Armeniaca Kernel Oil	Vegetable Oil	4
	Borage Oil, Refined	Borago Officinalis Seed Oil	Vegetable Oil	2
	Rosehip Oil, Refined	Rosa Canina Fruit Oil	Vegetable Oil	2
<b>Biodine V</b>	<i>Macadamia Ternifolia Oil, Phospholipids, Glycine Soja Sterol, Stearic Acid, Glycerin, Safflower Oil/Palm Oil Aminopropanediol Esters, Squalane</i>	<b>Active Ingredient</b>	<b>1.5</b>	
C	Benzyl Alcohol	Benzyl Alcohol	Preservative	0.5
	Seabuckthorn Oil	Hippophae Rhamnoides Oil	Natural colourant	0.1
	Perfume	Parfum	Parfume	QS



# BIODINE V

## Nourishing Cream - BNC-110308-B



Phase	Ingredient	INCI	Activity	%
A	Water	Aqua		QS
	Sodium Benzoate	Sodium Benzoate	Preservative	QS
	Potassium Sorbate	Potassium Sorbate	Preservative	QS
	Glycerin	Glycerin	Humectant	3
	Keltrol T	Xanthan Gum	Thickener	0.7
	Quemina 21.257	Zea Mays Starch	Thickener	1
	Agenajel LSW	Zea Mays Starch	Skin Feel	3
	Surfhope C-1816	Sucrose Stearate	Stabilizer	0,2
	Fucocert	Aqua, Glycerin, Biosaccharide Gum-1	Skin Feel	1.5
	Hyaluronic Acid HMW	Sodium Hyaluronate	Active	0.05
	Tego Care CG90	Cetearyl Glucoside	Emulsifier	1.5
B	Sabonal C1618 50/50	Cetearyl Alcohol	Thickener	3.5
	PCL Liquid	Cetearyl Ethylhexanoate	Emollient	2
	Macadamia Oil, Refined	Macadamia Ternifolia Oil	Vegetable Oil	5
	Apricot Oil, Refined	Prunus Armeniaca Kernel Oil	Vegetable Oil	5
	Crodamol IPM	Isopropyl Mirystate	Emollient	1,5
	<b>Biodine V</b>	<i>Macadamia Ternifolia Oil, Phospholipids, Glycine Soja Sterol, Stearic Acid, Glycerin, Safflower Oil/Palm Oil Aminopropanediol Esters, Squalane</i>	<b>Active Ingredient</b>	<b>1.5</b>
C	Benzyl Alcohol	Benzyl Alcohol	Preservative	0.5
	Perfume	Parfum	Parfume	QS
D	Lactic Acid	Lactic Acid	pH	QS



# BIODINE V

## Hydrating Boost Shower Cream -BSG-110308-C



Phase	Ingredient	INCI	Activity	%
A	Water	Aqua		QS
	Euxyl K100	Aqua, Benzyl Alcohol, Propylene Glycol, Triethylene Glycol, Methylchloroisothiazolinone, Methylisothiazolinone	Preservative	QS
	Veegum Ultra	Argilla	Stabilizer	2
	Inutec H25P	Inulin	Conditioner	1
B	Inutec SP1	Inulin Lauryl Carbamate	Stabilizer	0.1
	Crodamol PTC	Pentaerythryl Tetracaprylate/Tetracaprate	Emollient	0.5
	Apricot Oil, Refined	Prunus Armeniaca Kernel Oil	Vegetable Oil	4.5
	<b>Biodine V</b>	<i>Macadamia Ternifolia Oil, Phospholipids, Glycine Soja Sterol, Stearic Acid, Glycerin, Safflower Oil/Palm Oil Aminopropanediol Esters, Squalane</i>	<b>Active Ingredient</b>	<b>0.5</b>
B1	Perfume	Parfum	Parfume	QS
C	Jordapon CI Powder	Sodium Cocoyl Isethionate	Surfactant	13
	Betadet SHR	Aqua, Cocamidopropyl Hydroxysultaine	Surfactant	5
D	Lactic Acid	Lactic Acid	pH	QS





# BIODINE V

## Natural Exotic Lip Balm – LBNE-120305-A



Phase	Ingredient	INCI	Activity	%
A	Apricot Oil	Prunus Armeniaca Kernel Oil	Vegetable Oil	9,3
	Moringa Oil	Moringa Oleifera Seed Oil	Vegetable Oil	36,6
	Coconut Oil	Cocos Nucifera Oil	Vegetable Oil	17,1
	Squalane Vegetable	Squalane	Vegetable Oil	5
B	Shea Butter	Butyrospermum Parkii Butter	Vegetable Butter	3
	Cocoa Butter	Theobroma Cacao Seed Butter	Vegetable Butter	12
	Rice Wax	Oryza Sativa Cera	Vegetable Wax	2
	Beeswax White	Cera Alba	Vegetable Wax	10
	Carnauba Wax	Copernicia Cerifera Cera	Vegetable Wax	3,5
	<b>Biodine V</b>	<i>Macadamia Ternifolia Oil, Phospholipids, Glycine Soja Sterol, Stearic Acid, Glycerin, Safflower Oil/Palm Oil Aminopropanediol Esters, Squalane</i>	<b>Active Ingredient</b>	<b>0.5</b>
	Aroma	Aroma	Aroma	QS
	Seabuckthorn Oil	Hippophae Rhamnoides Fruit Oil	Vegetable Oil	0,02



# BIODINE V

## Hydrating Make Up Remover - HMUR-130328-B



Phase	Ingredient	INCI	Activity	%
A	Water	Aqua	-	QS
	Euxyl PE9010	Phenoxyethanol, Ethylhexylglycerin	Preservative	QS
	Glycerin	Glycerin	Humectant	1
	Keltrol T	Xanthan Gum	Stabilizer	0,7
	Inutec SP1	Inulin Lauryl Carbamate	Emulsifier	0,1
B	Sabonal C1618 50/50	Cetearyl Alcohol	Thickener	3
	Sabowax GMS	Glyceryl Stearate	Stabilizer	2
	Neoderm IL	Isoamyl Laurate	Natural oil	7
	Biodine V	Macadamia Ternifolia Seed Oil , Phospholipids, Glycine Soja Sterols, Stearic Acid, Glycerin,Safflower Oil/Palm Oil Aminopropanediol Esters,Squalane	Active	0,5
	Macadamia Oil	Macadamia Ternifolia Seed Oil	Vegetable oil	5
C	Perlastan SC	Aqua, Sodium Lauroyl Glutamate	Cleanser	2
	Parfum	Parfum	Parfum	QS
D	Lactic Acid	Lactic Acid	pH	QS



# BIODINE V

## Low Cost Body Lotion – LCBL-130404-A



Phase	Ingredient	INCI	Activity	%
A	Water	Aqua	-	QS
	Carbopol Ultrez-20	Acrylates/C10-30 Alkyl Acrylate Crosspolymer	Stabilizer	0,3
	Euxyl PE9010	Phenoxyethanol, Ethylhexylglycerin	Preservative	QS
	Keltrol T	Xanthan Gum	Stabilizer	0,05
	Glycerine	Glycerin	Humectant	3
	Inutec SP1	Inulin Lauryl Carbamate	Emulsifier	0,05
	Edeta BD	Disodium EDTA	Chelating agent	0,05
B	Cetiol 868	Ethylhexyl Stearate	Emollient	4
	Crodamol OP	Ethylhexyl Palmitate	Emollient	1
	Crodamol IPP	Isopropyl Palmitate	Emollient	2
	Sabonal C1618 50/50	Cetearyl Alcohol	Thickener	2
	<b>Biodine V</b>	<i>Macadamia Ternifolia Oil, Phospholipids, Glycine Soja Sterol, Stearic Acid, Glycerin, Safflower Oil/Palm Oil Aminopropanediol Esters, Squalane</i>	<b>Active Ingredient</b>	<b>0,5</b>
	Eumulgin SG	Sodium Stearoyl Glutamate	Emulsifier	1
	Baysilone M350	Dimethicone	Silicone	0,5
Stearic Acid	Stearic Acid	Stabilizer	0,5	
C	Perfume	Parfum	Perfume	QS



# BIODINE V

## Technical information



### INCI:

Macadamia Ternifolia Oil, Phospholipids,  
Glycine Soja Sterol, Stearic Acid,  
Glycerin, Safflower Oil/Palm Oil  
Aminopropanediol Esters, Squalane



### Dosage:

0.3-0.5% Rinse off  
0.5-4.0% Leave on



### Aspect:

paste



### Incorporation:

into the oil phase







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**THANK YOU FOR  
YOUR ATTENTION**