EVERYDAY FUN:
Como formular cosméticos coloridos mais facilmente com dispersões sólidas coloridas

Apresentado no Seminário Internacional: MCassab

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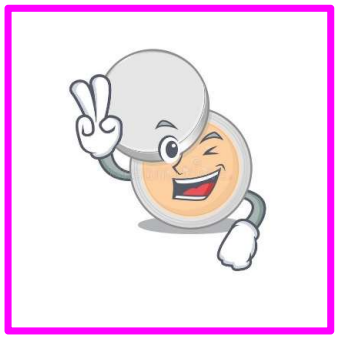
2022/6/3

Agenda

- Trends
- MiyoFlex-EV
- MiyoNAT VLS
- MiyoFEEL SXI-L



Traga a alegria de volta à maquiagem

O COVID-19 não acabou, mas à medida que os tratamentos para o vírus melhoram e as restrições diminuem:

os consumidores estão ansiosos para sair de seus limites e explorar, jogar e abraçar novas experiências.

Marcas e inovações podem lembrar as pessoas **do prazer que as rotinas de maquiagem podem trazer.**

MINTEL

Lançamentos mais inovadores

Smiles.
You have been missed.
Too long behind the masks.
Too long under a shadow.
Glimpsed on Zoom, frozen on Social Media.
But you are returning.
The universal language of laughter, joy, love and togetherness.
Smiles will unite us again.
To celebrate, let's make our smiles sing.
With big, bold colours, the colours of hope.
And let's continue to bring the smiles back.
To the faces of those who still wear the masks of fear or need.
Smiles, it's good to see you again.
You've never looked more beautiful.

https://packagingoftheworld.com/2022/03/no7.html

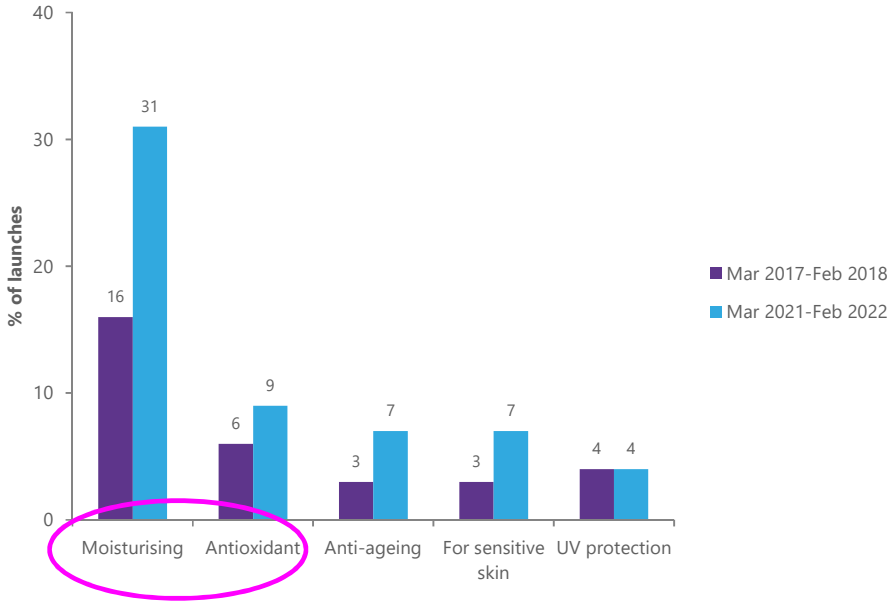
Trends

- As vendas de **maquiagem Prestige** aumentaram 22% ano a ano, para US$ 1,8 bilhão no primeiro trimestre, impulsionadas por mais atividades fora de casa.
- A receita de **produtos de maquiagem para lábios** cresceu na taxa mais rápida de todos os segmentos, seguida por maquiagem para rosto e olhos.
- As vendas de **batons** aumentaram 44% ano a ano no primeiro trimestre de 2022, enquanto as vendas **de blush e bronzer** cresceram 45% e 38%, respectivamente.
- **Influência social**: cerca de 25% dos usuários de maquiagem dos EUA moldam suas escolhas de produtos de maquiagem com base nas mídias sociais". Esse % é maior para GenZ e millennials

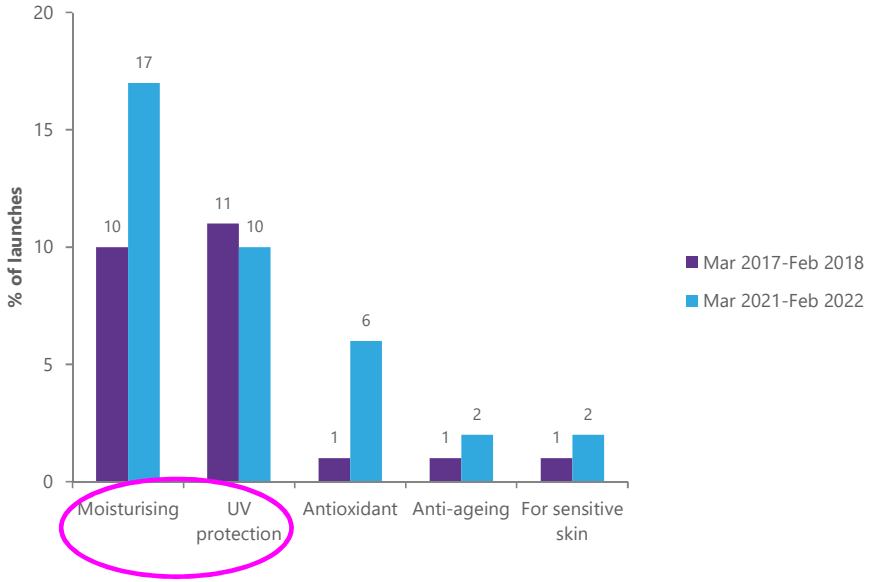
https://www.gcimagazine.com/consumers-markets/news/22197416/q1-2022-prestige-beauty-jumps-19?utm_source=newsletter-html&utm_medium=email&utm_campaign=GCI+E-Newsletter+04-26-2022
https://gcimagazine.texterity.com/gcimagazine/january_2022/MobilePagedReplica.action?pm=2&folio=18#pg27

Claims de hidratação estão crescendo rapidamente, especialmente na América do Norte

North America: colour cosmetics launches by select skin-friendly claims, 2017-18 vs 2020-21

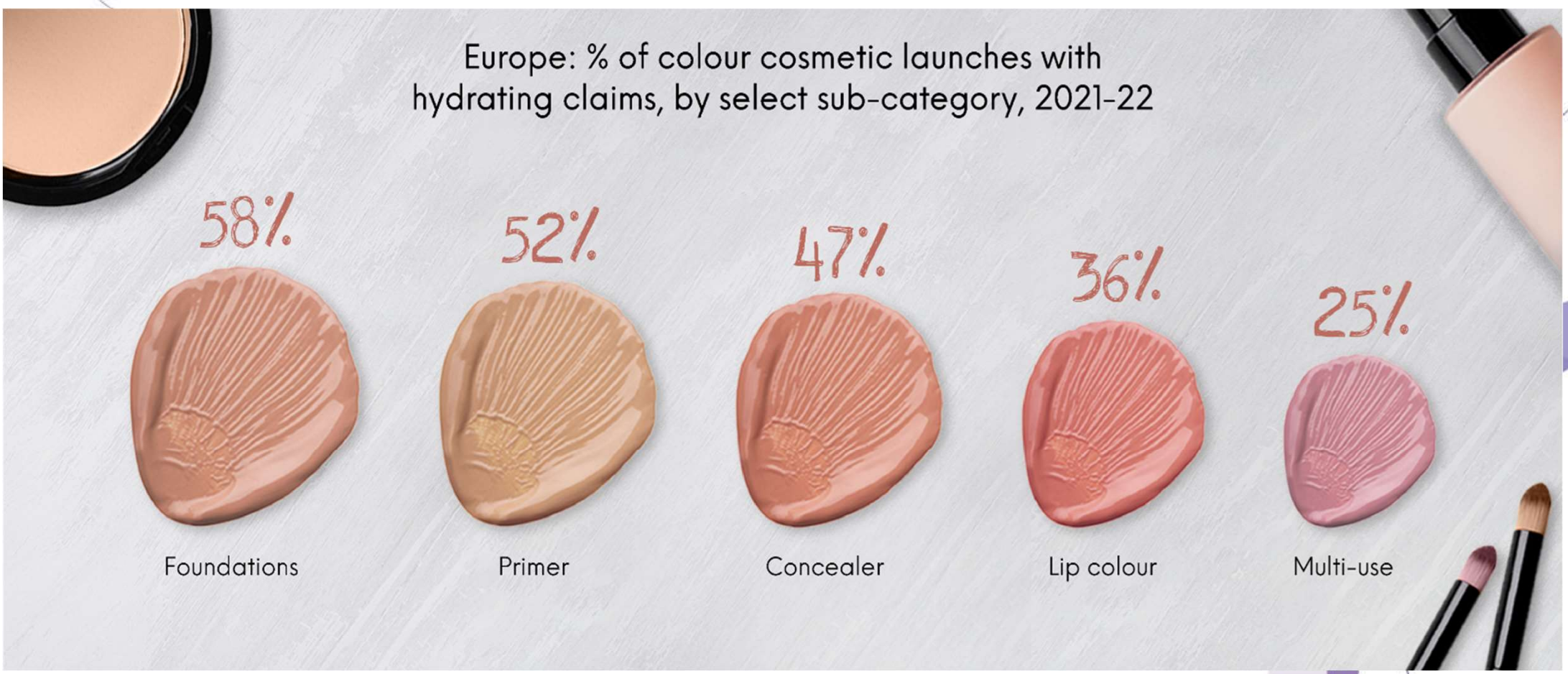


Latin America: colour cosmetics launches by select skin-friendly claims, 2017-18 vs 2020-21



Source: Mintel GNPD, March 2017-February 2021 (North America); Mintel GNPD, March 2017-February 2021 (Latin America)

Claims de Hidratação estão crescendo rapidamente



Source: Mintel GNPD, March 2017-February 2022; Mintel GNPD, March 2021-February 2022

MiyoFLEX EV

Dispersão Sólida Altamente Concentrada

the Eco solution

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2022/6/3

MiyoFLEX EV: Dispersibilidade - Dados técnicos

Dispersibilidade de MiyoFLEX EV Range em vários óleos

ECOnomical in TIME

Oil Type	Commercial Name	INCI	Propeller Mixer at 65°C (3300rpm)	Ultra-Turrax at 65°C (6000 rpm)
Silicone Oil	D5	Cyclopentasiloxane	O	OO
	KF 96 A 6 ct	Dimethicone	O	O
Apolar Oil	Phytosqualane	Squalane	OO	OO
	Neossance Hemisqualane	C13-15 Alkane	OO	OO
	MC 30	Hydrogenated Polyisobutene	O	O
	Emogreen L19	C15-19 Alkane	O	OO
	Emogreen L15	C15-19 Alkane	OO	OO
Polar Oil	Haimalate DIS	Diisostearyl malate	OO	OO
	DUB MCT 5545	Caprylic/Capric triglycerides	OO	OO
	DUB IPM	Isopropyl Myristate	O	O
	DUB ININ	Isononyl Isononoate	O	O

Dispersibility
OO < 5min
O <15min
Δ >15min
X = KO

MiyoFLEX EV

ECOnomical in PRICE

SOLUÇÃO ACESSÍVEL

- Custo competitivo versus dispersões líquidas tradicionais
- Adequado para uma grande variedade de produtos cosméticos
- Solução única e patenteada
- Não há necessidade de equipamentos caros de moagem Economize custos de produção

DISPERSÃO SÓLIDA ALTAMENTE CONCENTRADA

- 80-85% de pigmentos tratados na composição
- Alcance a intensidade de cor ideal
- Facilidade no ajuste de cores

Benefícios da Dispersão Sólida

Graças a esta tecnologia única, o manuseio do pó torna-se fácil e limpo

ECOlogical in USE

Fácil de manusear

Fácil de Pesar

- BENEFÍCIOS :
  - Evita a contaminação por poeira
  - Evita o manuseio de nanomateriais
  - Polivalente: sem meio líquido, pode ser incorporado em todos os óleos compatíveis com cera selecionada
  - Fácil de manusear para formuladores/ operadores de produção (fácil de pesar, sem poeira, sem líquido)
  - Pigmentos tratados de fácil dispersão sem etapa de moagem

Benefícios no Processo de Formulação

Pigmentos Tratados

Standard Process

Moagem de pigmentos tratados:

Moinho de 3 rolos ou moinho de bolas

Realize a emulsão com um misturador de hélice

Benefícios dos pigmentos tratados na fórmula final

MiyoFLEX EV

New Process

Realize a dispersão com um misturador de hélice

Mesmo Equipamento

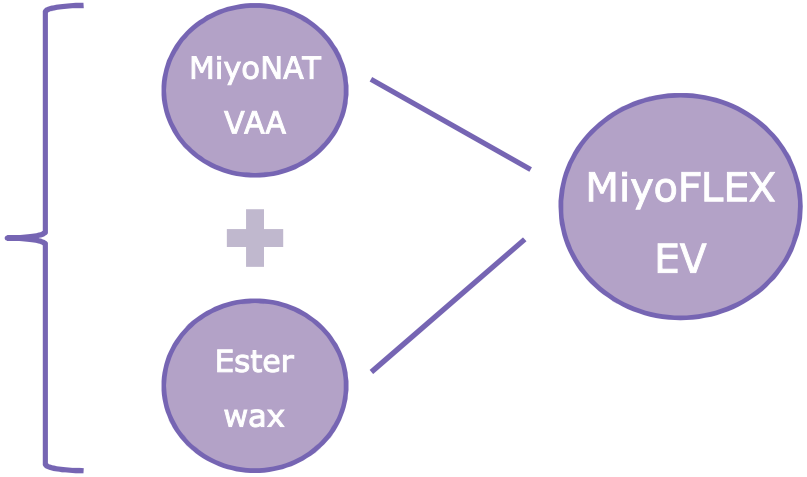
Realize a emulsão com o MESMO misturador de hélice

Sem moagem

Benefícios dos pigmentos tratados na fórmula final

MiyoFLEX EV Range

Designed for Hot process



COSMOS APPROVED

NOC = 100%

Name	% treated Pigments	INCI
MiyoFLEX EV-White	85	Titanium Dioxide (and) Hydrogenated Olive Oil Stearyl Esters (and) Sodium Myristoyl Glutamate (and) Aluminum Hydroxide
MiyoFLEX EV-Yellow	80	Iron Oxides (and) Hydrogenated Olive Oil Stearyl Esters (and) Sodium Myristoyl Glutamate (and) Aluminum Hydroxide
MiyoFLEX EV-Red	85	Iron Oxides (and) Hydrogenated Olive Oil Stearyl Esters (and) Sodium Myristoyl Glutamate (and) Aluminum Hydroxide
MiyoFLEX EV-Black	85	Iron Oxides (and) Hydrogenated Olive Oil Stearyl Esters (and) Sodium Myristoyl Glutamate (and) Aluminum Hydroxide

*MiyoFLEX **EV** : **E** for Ester **V** for MiyoNAT **VAA***

MiyoFLEX EV

ECOlogical in USE

CLEAN SOLUTION

- Redução das etapas de limpeza (consumo de água)

EVITE POEIRA

- Os operadores não estão mais expostos à poeira
- O equipamento está menos exposto

COSMOS APPROVED SOLUTION

- Concepção orientada pela naturalidade
- Naturalidade sem comprometer o desempenho

PERFEITAMENTE DESENHADO PARA FÓRMULAS ANIDRAS

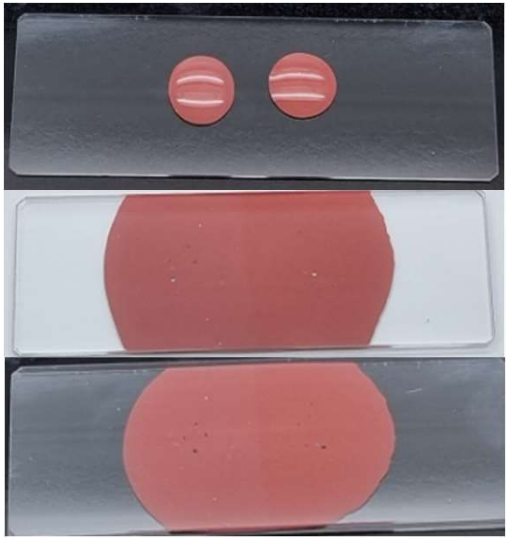
- Base stick
- Batom
- Máscara
- Sanonete barra
- Balm
- etc...

ECOnomical in TIME

Benefícios do MiyoFLEX EV: Qualidade de dispersão

MiyoNAT VAA **MiyoFLEX EV**

3,4% of Red treated pigments



Best Color development with **MiyoFLEX EV**

MiyoNAT VAA **MiyoFLEX EV**

3,2% of Yellow treated pigments

Same color development using both technologies

MiyoNAT VAA **MiyoFLEX EV**

3,4% of Black treated pigments

Best Color development with **MiyoFLEX EV**

A dispersão da tecnologia MiyoFLEX usando Ultra-Turrax, tem um desempenho pelo menos, tão bom quanto os pigmentos tratados moídos com o moinho de 3 rolos. O desenvolvimento de cores é melhor usando o MiyoFLEX EV.

For MiyoNAT VAA dispersion : mix of MiyoNAT VAA (color and white) + DUB MCT 5545 + Ester wax – Pigments grinded with 3-Rolls mill
For MiyoFLEX EV dispersion : mix of MiyoFLEX EV Color +MiyoNAT VAA white (grinded with 3 rolls mill) + DUB MCT 5545 – mixed using Ultra-Turrax
Same ratio as been maintained between pigments, oil and ester wax in both conditions.

Applicações

- BASES
- BATONS
- MÁSCARA
- STICK

Conclusões ao usar MiyoFLEX EV:

- ✓ Não há necessidade de moer pigmentos, apenas para dispersar
- ✓ Não há necessidade de um dispersante
- ✓ Os operadores não estão mais expostos à poeira
- ✓ Você vai economizar tempo e água
- ✓ Você é livre para usar uma grande variedade de óleos
- ✓ Solução aprovada pela COSMOS
- ✓ Alcance a intensidade de cor ideal
- ✓ Adequado para fazer ajuste de cor (formulações anidras)
- ✓ Solução fácil para formular rímel, bases, batons, cremes BB, etc.

TODOS agora tem acesso aos cosméticos coloridos!

15% of MiyoFLEX EV
12,6% of treated pigments

FLEX Foundation

FDT-W027-Tec

NOC 99.98% With Water

NOC 99.95% Without Water

Raw Material	INCI	Wt %	Supplier
PHASE A1			
Water	Water	51,40	-
NaCl	Sodium Chloride	2,00	Roth
PHASE A2			
Glycerine	Glycerin	5,00	Interchimie
A Leen Aroma 3	Phenylpropanol	0,80	Minasolve
PHASE B1			
MiyoFLEX EV-White	Titanium Dioxide (and) Hydrogenated Olive Oil Stearyl Esters (and) Sodium Myristoyl Glutamate (and) Aluminum hydroxide	11,40	Miyoshi Europe
MiyoFLEX EV-Yellow	Iron oxide (and) Hydrogenated Olive Oil Stearyl Esters (and) Sodium Myristoyl Glutamate (and) Aluminum hydroxide	2,90	Miyoshi Europe
MiyoFLEX EV-Red	Iron oxide (and) Hydrogenated Olive Oil Stearyl Esters (and) Sodium Myristoyl Glutamate (and) Aluminum hydroxide	0,40	Miyoshi Europe
MiyoFLEX EV-Black	Iron oxide (and) Hydrogenated Olive Oil Stearyl Esters (and) Sodium Myristoyl Glutamate (and) Aluminum hydroxide	0,30	Miyoshi Europe
MiyoFILM CCTG(75%)	Dextrin Isostearate (and) Caprylic/Capric triglycerides	5,00	Miyoshi Europe
Lexfeel Natural	Heptyl Undecylenate	10,40	Inolex
Ecomuls 2 in 1	Glyceryl Oleate (and) Polyglyceryl-3-polyricinoleate (and) Olea Europaea (Olive) Oil Unsaponifiables	3,00	Natura Tec/Masso
Dub So Green/MB	Ethyl Olivate (and) Triheptanoïn	5,40	Stéarinerie Dubois
PHASE B2			
SBNP-810	Silica	2,00	Miyoshi Europe

Procedure

1. Solubilise A1. Then Add A2 and stir until complete homogeneity. Heat the phase.
2. Heat Phase B1 at 90°C. Then, stir it with Ultra-Turrax (16200rpm, 5min) until complete homogeneity. Add B2 and homogenize.
3. Add Phase A to Phase B under stirring with Rayneri during 6 minutes at speed maximum.
4. Reduce speed and stir up to 30-40°C.

DESCRIPTION

The **Flex Foundation** is a fluid foundation that will provide you a lot of comfort. It offers a natural coverage but still has the ability to hides imperfections.

Thanks to the MiyoFLEX EV solid dispersions, the operating procedure is simplified. Your formula is easier to realize and you are 100% sure to reach a good pigments dispersion.

WHAT'S INSIDE?

- **MiyoFLEX EV** : as easy as Dispersion as flexible as pigments, these solid dispersions simplify the use of color in cosmetics.
- **SBNP-810** : the silica beads improve the sensoriality of the formula. Thanks to them the result on the skin is softer.
- **MiyoFILM CCTG(75%)** : creates a film allowing a homogeneous spreading.

BENEFITS

- W/O emulsion
- High natural origin content
- Comfort
- Natural coverage
- Homogeneous complexion

MIYOSHI EUROPE

20% of MiyoFLEX EV
16,95% of treated pigments

Foundcealer stick

STK-E003

NOC 100%

Raw Material	INCI	Wt %	Supplier
PHASE A			
Emogreen L15	C15-19 Alkane	53,100	Seppic
MiyoFLEX EV-White	**Titanium dioxide (and) Hydrogenated Olive Oil Stearyl Esters (and) Sodium Myristoyl Glutamate (and) Aluminum hydroxide**	**18,700**	**Miyoshi Europe**
MiyoFLEX EV-Yellow	**Iron oxide (and) Hydrogenated Olive Oil Stearyl Esters (and) Sodium Myristoyl Glutamate (and) Aluminum hydroxide**	**1,000**	**Miyoshi Europe**
MiyoFLEX EV-Red	**Iron oxide (and) Hydrogenated Olive Oil Stearyl Esters (and) Sodium Myristoyl Glutamate (and) Aluminum hydroxide**	**0,200**	**Miyoshi Europe**
MiyoFLEX EV-Black	**Iron oxide (and) Hydrogenated Olive Oil Stearyl Esters (and) Sodium Myristoyl Glutamate (and) Aluminum hydroxide**	**0,100**	**Miyoshi Europe**
PHASE B			
Lipocire A SG	C10-18 Triglycerides	2,000	Gattefossé
Candellila Blanchie	Candelilla Cera	5,400	Ceresine
Cerauba T1	Copernicia Cerifera Cera	5,000	Ceresine
Cerabeil White	Cera Alba	4,000	Ceresine
PHASE C			
MiyoFEEL SXI-L	**Mica (and) Silica (and) Hydrogenated Lecithin (and) Calcium Chloride**	**5,000**	**Miyoshi Europe**
SB-700	**Silica**	**5,000**	**Miyoshi Europe**
PHASE D			
Bioxan Sf T50	Tocopherol	0,500	BTSA/Masso

Procedure

1. Heat Phase A+B to 90°C.
2. Grind Phase AB using an Ultra-Turrax at high speed.
3. Add Phase C to Phase AB under stirring.
4. Add Phase D just before pouring into the mold.
5. Pour into container at 86-88°C.

DESCRIPTION

The Foundcealer Stick offers a satin and luminous finish and will become your unmissable to take everywhere with you. Use it as a foundation or concealer depending on your need.

Its creamy and slippery formula offers you a perfect complexion.

The stick format is convenient to carry and easy to use. It will be your ally at any time of the day!

WHAT'S INSIDE?

- **MiyoFLEX EV** : an easy and perfect way to introduce pigments in formula thanks to these solid dispersions.
- **MiyoFEEL SXI-L** : delivers Silky-Smooth Feeling.
- **SB-700** : brings softness and slippery and improves application feeling.

BENEFITS

- Solid cosmetic
- Unifying
- Anhydrous product
- Easy and dust free process

Foundcealer Stick

MIYOSHI EUROPE

MiyoNAT VLS

Novo tratamento superficial de lecitina vegetal e alumina free

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2022/6/3

MiyoNAT VLS – Características & Benefícios

- Tratamento de Superfície hidrofóbico
  - Long lasting e resistente a água
  - Textura cremosa e elegante
  - Excelente estabilidade em emulsões

- Tratamento de Lecitina
  - Origem Vegetal (non-GMO)
  - Alumina free
  - Palm Free

- COSMOS e adequado para VEGAN

Approved by ECOCERT RAW MATERIAL
COSMOS APPROVED

MiyoNAT VLS – Informações de Matéria-Prima

INCI NAME :
Substrate (and) Hydrogenated Lecithin (and) Magnesium Chloride

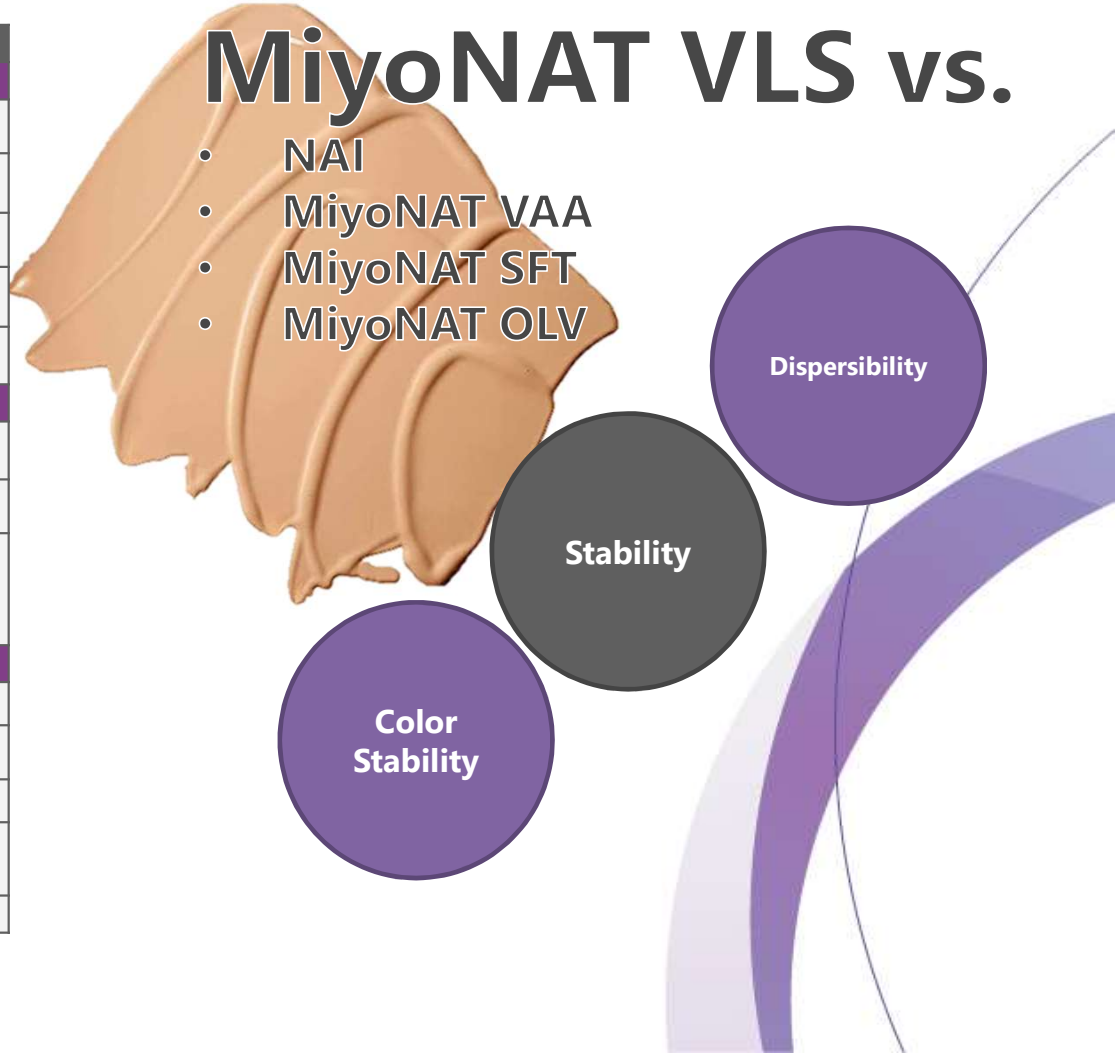
NOC = 100%

RANGE
MiyoNAT VLS-White A2
MiyoNAT VLS-Yellow-1
MiyoNAT VLS-Red-2
MiyoNAT VLS-Black-1

Compliant with EU (Cosmetic Regulation 1223/2009), USA (FDA), Japan, China and Australia regulations.

Avaliação em emulsão A/Si

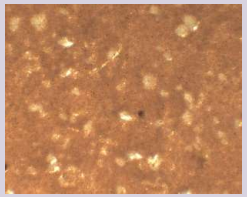
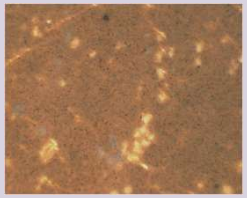
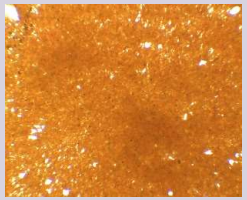
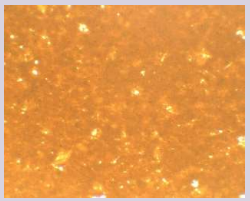
Raw Material	INCI	Wt %
PHASE A		
Treated TiO_2	**Titanium Dioxide (and) X**	**8**
Treated Yellow Iron Oxide	**Iron oxides (and) X**	**1,5**
Treated Red Iron Oxide	**Iron oxides (and) X**	**0,35**
Treated Black Iron Oxide	**Iron oxides (and) X**	**0,15**
KF 96 A 6 Cts	Dimethicone	10,00
PHASE B		
KF 96 A 6 Cts	Dimethicone	**12,25**
KF 6017	PEG-10 Dimethicone	3,00
Bentone Gel VS 5 PC V	Cyclopentasiloxane (and) Disteardimonium Hectorite (and) Propylene Carbonate	1,00
PHASE C		
Water	Water	57,1
Sulfate de magnesium	Magnesium Sulfate	0,75
Butylene glycol	1.3 Butylene glycol	5,00
Mikrokill Cos	Phenoxyethanol (and) Caprylyl Glycol (and) Chlorphenesin	0,75
Keltrol CG-SFT	Xanthan gum	0,15



Avaliação em emulsão A/Si

Dispersibility

In Dimethicone

Range	3RM	Turrax	Conclusion
MiyoNAT VLS			3RM : medium **Turrax : good**
	More big white grains with 3RM		
NAI			**3RM : good** Turrax : medium
	More medium red grains with turrax		
MiyoNAT SFT			**3RM : good** Turrax : medium
	More red grains with turrax		

MiyoNAT VLS é mais fácil de dispersar do que NAI e MiyoNAT SFT em silicones.
Não há necessidade de um moinho de três rolos!

Avaliação em emulsão A/Si

Stability

Range used in the W/Si	Observation at T0	Stability
MiyoNAT VLS	Thick but supple, smooth and shiny.	**High**
NAI	Supple, smooth and shiny.	**High**
MiyoNAT VAA	Supple, smooth and shiny.	**High**
MiyoNAT SFT	Slightly thick but supple, smooth and shiny.	Good
MiyoNAT OLV	Slightly thick but supple, smooth and shiny.	Medium

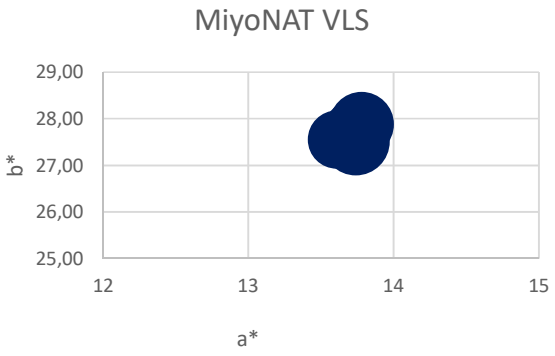
Os critérios de estabilidade baseiam-se na observação da fórmula após 1 mês em TA, 40 °C e 50 °C

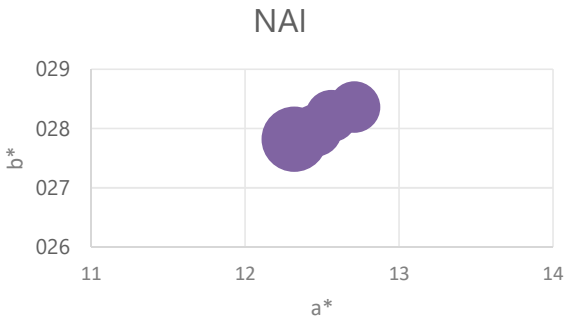
W/Si using MiyoNAT VLS **W/Si using NAI**

MiyoNAT VLS é tão estável quanto os pigmentos tratados com aminoácidos reconhecidos como referência em emulsões A/Si.
MiyoNAT VLS é uma boa opção sem Alumina para emulsão A/Si

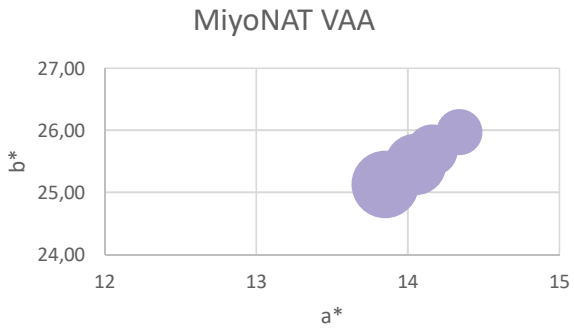
Avaliação em emulsão A/Si

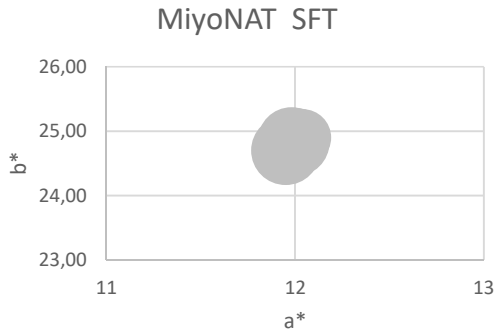
Color Stability

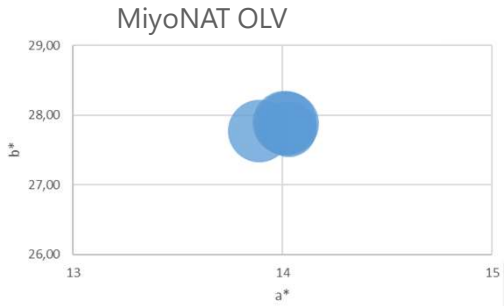




As amostras são semelhantes entre si se a distância entre elas for inferior a 1 unidade de medida (um quadrado).







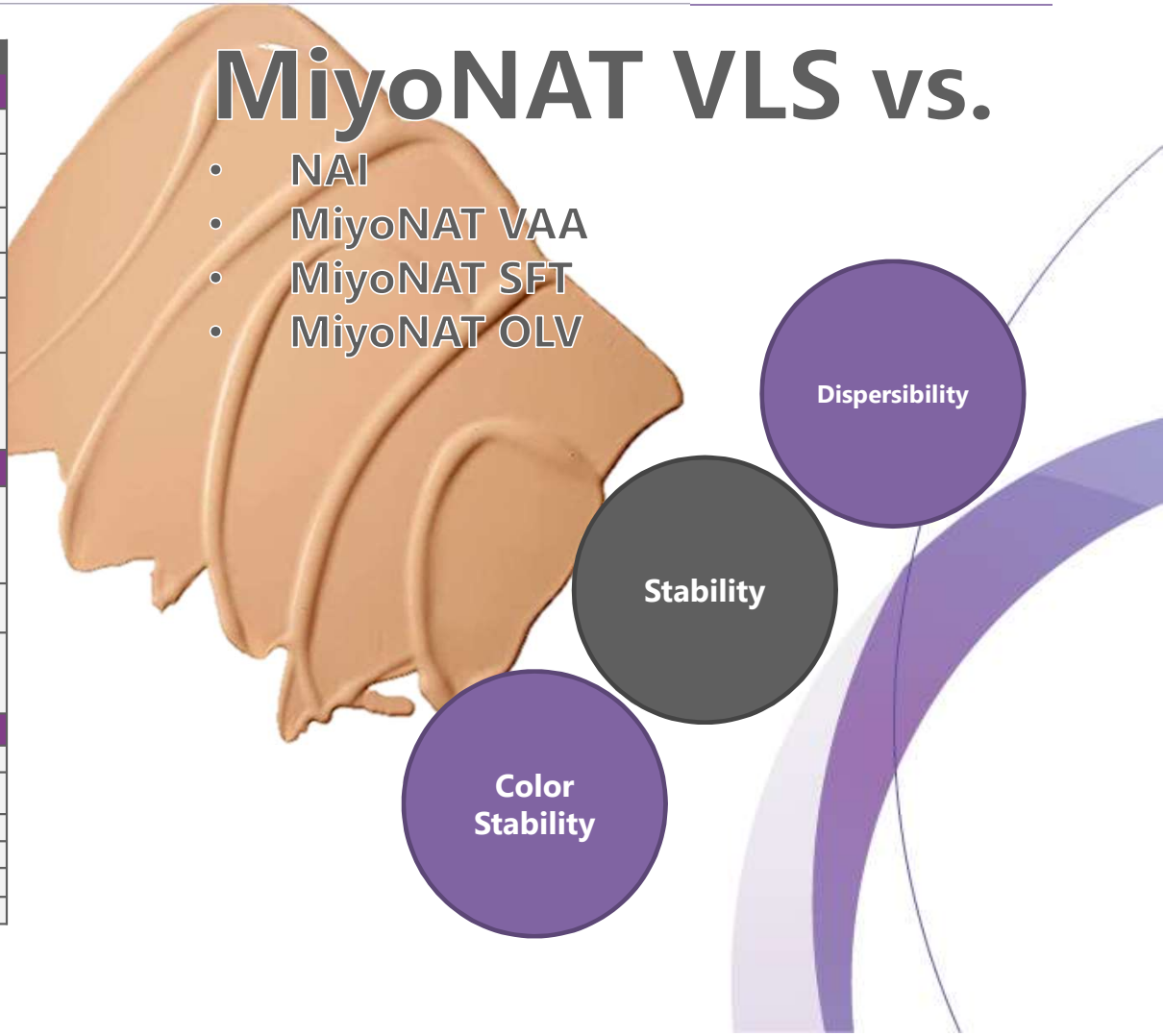
MiyoNAT VLS exibe uma excelente estabilidade de cor em emulsão A/Si

Avaliação em emulsão A/O

Raw Material	INCI	Wt %
PHASE A		
Treated TiO2	**Titanium Dioxide (and) X**	**13,00**
Treated Yellow Iron oxide	**Iron oxides (and) X**	**1,70**
Treated red iron oxide	**Iron oxides (and) X**	**0,25**
Treated Black iron oxide	**Iron oxides (and) X**	**0,08**
Dermofeel Sensolv MB	Isoamyl Laurate	8,00
Emulium Illustro	Polyglyceryl-6 Polyhydroxystearate (and) Polyglyceryl-6 Polyricinoleate (and) Polyglycerin-6	2,50
PHASE B		
Emulium Illustro	Polyglyceryl-6 Polyhydroxystearate (and) Polyglyceryl-6 Polyricinoleate (and) Polyglycerin-6	2,50
Dub MCT 5545	Caprylic/Capric Triglyceride	7,00
Bentone Gel GTCC V	Caprylic/Capric Triglyceride(and) Stearalkonium Hectorite (and) Propylene Carbonate	3,00
PHASE C		
Water	Water	52,97
Sulfate de magnesium	Magnesium Sulfate	2,00
Chlorure de sodium	Sodium Chloride	1,00
A Leen Aroma 3	Phenylpropanol	0,80
SB-700	**Silica**	**5,00**
Solagum AX	Acacia Senegal Gum (and) Xanthan Gum	0,20

MiyoNAT VLS vs.

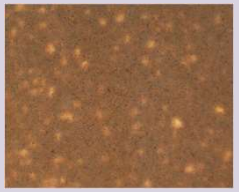
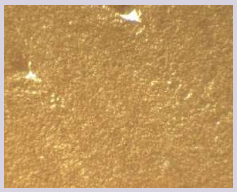
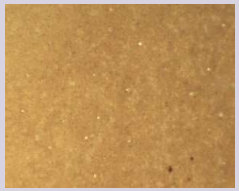
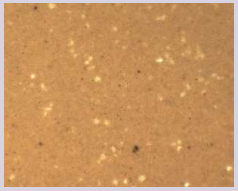
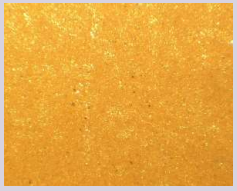
- NAI
- MiyoNAT VAA
- MiyoNAT SFT
- MiyoNAT OLV



Avaliação em emulsão A/O

Dispersibility

In Isoamyl Laurate

Range	3RM	Turrax	Conclusion
MiyoNAT VLS			3RM : medium **Turrax : Good**
	More big white grains with 3RM		
NAI			**3RM : Good** Turrax : medium
	More medium white grains with turrax		
MiyoNAT SFT			**3RM : Good** **Turrax : Good**
	Same results		

O MiyoNAT VLS é mais fácil de dispersar em comparação com o NAI, mas é semelhante ao MiyoNAT SFT. Não há necessidade de um moinho de três rolos

Avaliação em emulsão A/O

Stability

Range used in the W/Si	Observation at T0	Stability
MiyoNAT VLS	Thick, smooth and shiny.	**Good**
NAI	Thick but supple, smooth and shiny.	**High**
MiyoNAT VAA	Thick, smooth and shiny.	Medium
MiyoNAT SFT	Thick, smooth and shiny. Some marbeling on surface	Good
MiyoNAT OLV	Supple, not smooth, shiny. Some marbeling on surface	Good

Os critérios de estabilidade baseiam-se na observação da fórmula após 1 mês em TA, 40 °C e 50 °C

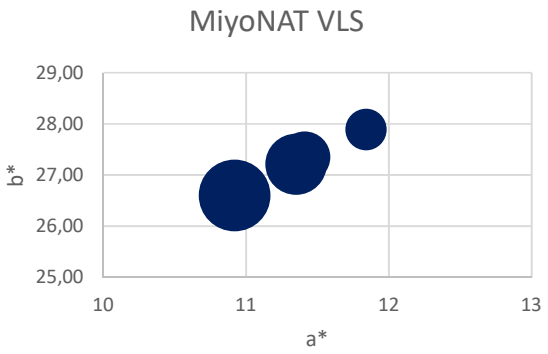
W/O using MiyoNAT VLS

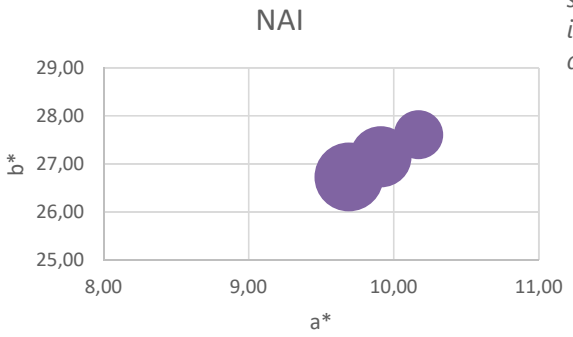
W/O using NAI

O NAI permanece muito estável em emulsões A/O, mas o MiyoNAT VLS tem os desempenhos mais próximos. MiyoNAT VLS é uma boa opção sem Alumina para emulsões A/O

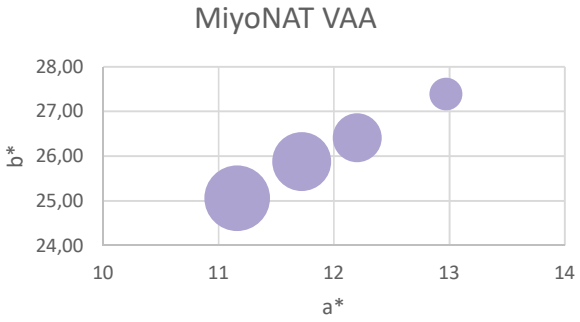
Avaliação em emulsão A/O

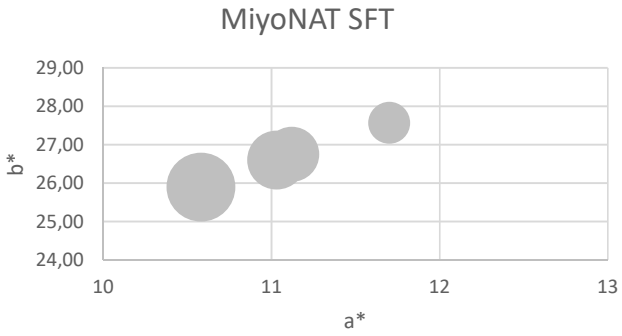
Color Stability

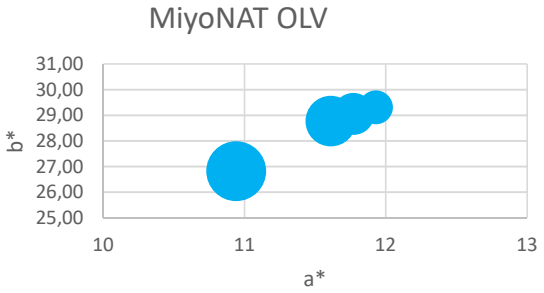




As amostras são semelhantes entre si se a distância entre elas for inferior a 1 unidade de medida (um quadrado).





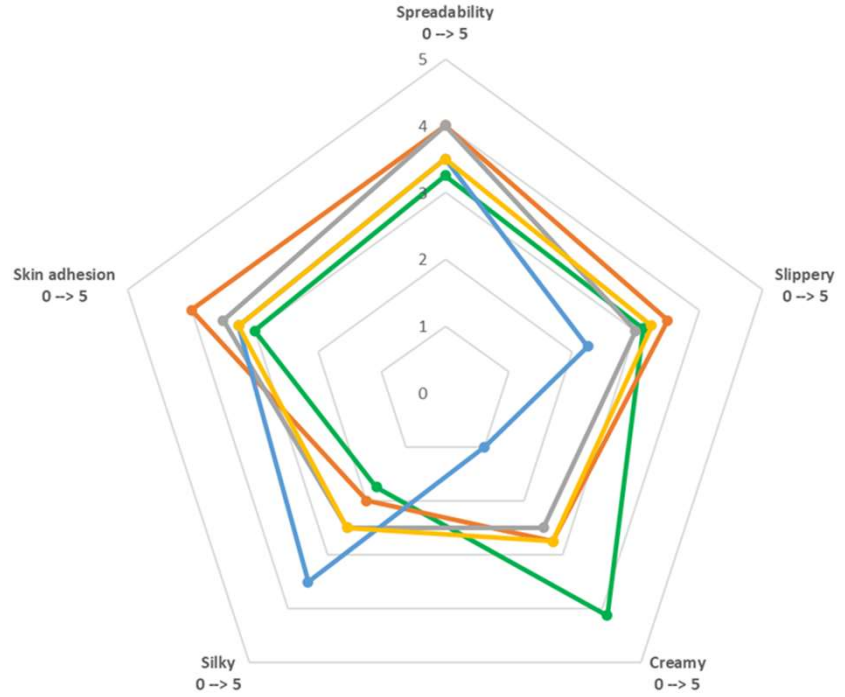


MiyoNAT VLS exibe uma das melhores estabilidade de cor em emulsão A/O

Sensorial

MiyoNAT VLS apresenta uma textura cremosa significativa, em comparação com outros tratamentos do portfólio da Miyoshi EU, e mantém uma boa espalhabilidade.

Sensorial analysis emulsion water in silicon



MiyoNAT VLS
MiyoNAT SFT
NAI
MiyoNAT OLV
MiyoNAT VAA

Conclusão - O novo MiyoNAT VLS é:

- Conectado com natural
  - Palm free
  - COSMOS approved
  - Suitable for VEGAN
  - Aluminum free

- Global compliant : EU, US, JP, China and Australia

- Desempenho:
  - Facil de dispersar (não necessita moinho de 3 rolos)
  - Altamente estável em A/O e A/Si (semelhante ao tratamento com aminoácidos)
  - Cor estável
  - Textura cremosa elegante

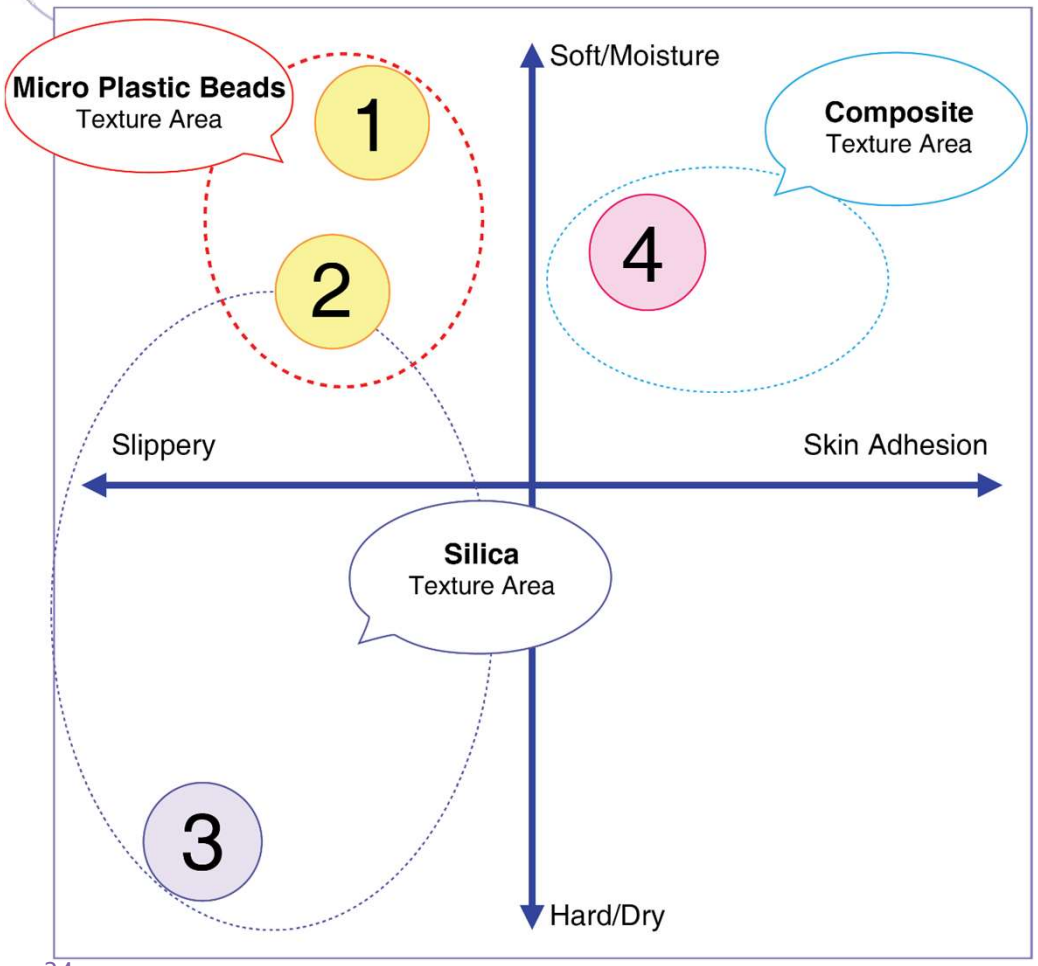
MiyoFEEL SXI-L

Composite de Mica & Silica tratado com Lecitina vegetal

Maite San Miguel Lopez
maites@miyoshiamerica.com

2022/6/3

Avaliação sensorial



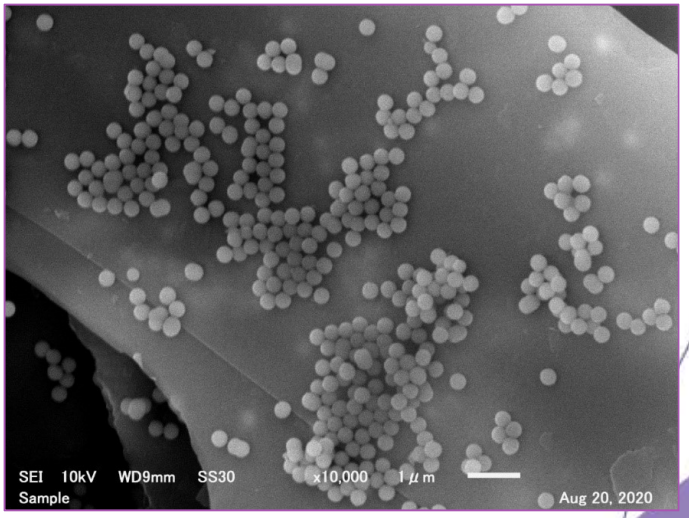
N°	Component	Particle size (µm)
1	PMMA	6
2	Nylon-12	5
3	Silica non-porous	10
4	MiyoFEEL SXI-L	11

Modificação de Texturas em cosméticos–I

- A **textura** é um dos atributos mais importantes para uma fórmula cosmética.
- A textura pode ser modificada em um ingrediente em pó por:
- Tamanho e distribuição de tamanho de partícula
- Tamanho de partícula médio, ideal para textura
- Sharp vs broad peak
  - Formato de Partícula
    - Esférica, plaqueta, cúbico, amorfo
  - Superfície de Partícula
    - Superfície tratada(hidrophilica, hidrofobico)
    - Aspero vs Liso
  - Componente de Partícula
    - Inorganico
    - Organico

Modificação de Textura em Cosméticos–II

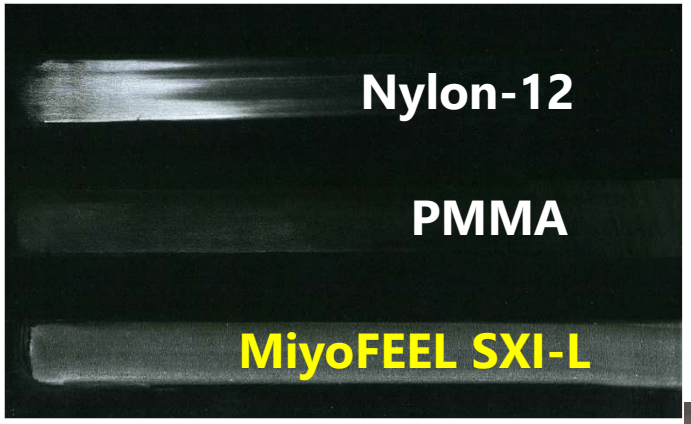
- Tamanho
  - Tamanho de partícula de micas
  - Tamanho de Partícula de beads
- Formato
  - SEM of SXI-L
- Superfície
  - Tratamento de Superfície com textura Suave→ Lecitina de Girassol
- Componente
  - Organico → PMMA = Micro Plastic Bead (MPB) problema!
  - Inorganic → Silica = textura seca, dura
  - **Composite!**



SEM x 10,000

INCI NAME: Mica (and) Silica (and) Hydrogenated Lecithin (and) Calcium Chloride

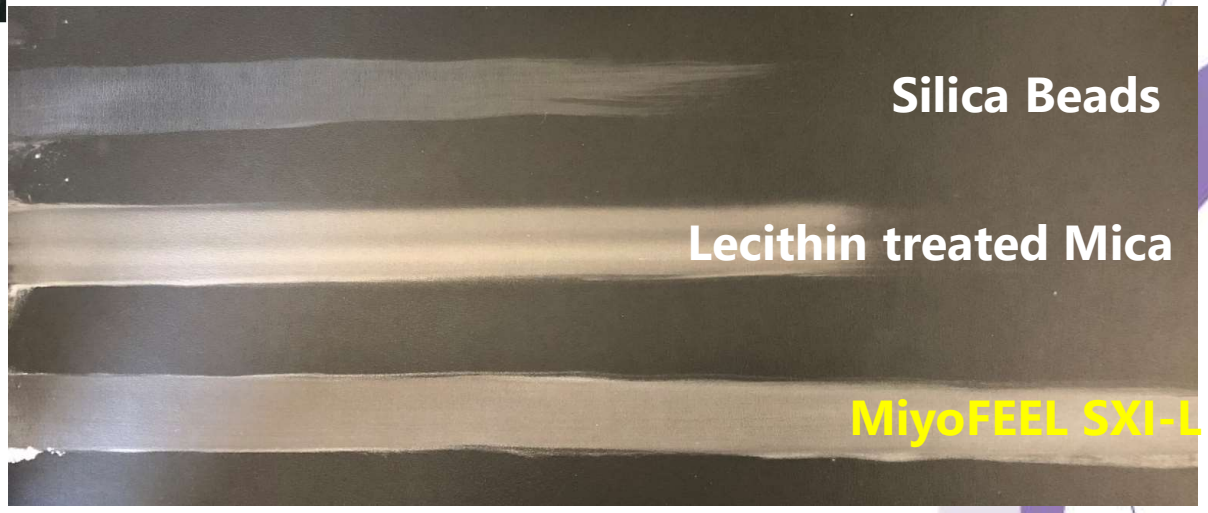
Avaliação de espalhabilidade



Método:

1. Coloque 15mg cada pó na pele artificial.
2. Espalhe o pó por esponja com pressão uniforme (100g)

MiyoFEEL SXI-L fornece uma boa espalhabilidade e maior cobertura natural na pele em comparação com Nylon-12, PMMA, esferas de sílica e mica tratada com lecitina.



Fórmula experiência sensorial MCassab

- Balm foundation FPS 30+ - MiyoFLEX EV

FASE	NOME COMERCIAL	%	FUNÇÃO
A	Emolid® CC[1]	28,90	Emoliente Vegetal
	Emolid® DD[1]	4,00	Emoliente Vegetal
	Triglicérides do ácido cáprico caprílico	10,00	Emoliente
	Miyoflex EV White [1]	10,00	Pigmento Hidrofóbico
	Miyoflex EV Yellow[1]	2,90	Pigmento Hidrofóbico
	Miyoflex EV Red [1]	0,40	Pigmento Hidrofóbico
	Miyoflex EV Black[1]	0,30	Pigmento Hidrofóbico
B	**MiyoSHADE Z Plus[1]**	12,00	Filtro UV
	MiyoSHADE T Clear[1]	12,00	Filtro UV
C	Cera de Candelila	3,00	Cera
	Rheopearl® KL2[1]	4,00	Agente de textura
	Vitamina E	0,50	Antioxidante
D	Silica Beads SB 300[1]	7,00	Modificador de Sensorial
	Miyofeel SXI-L[1]	5,00	Modificador de Sensorial

Base alta cobertura com textura balm que se funde com a pele

Miyoshi's Path to Sustainability

In 2020, Miyoshi America installed a 2,160 high efficiency ground mounted solar power panels.

842 kW ground mounted solar power system.

Equivalent to removing 172 cars from our roads

Meets more than 40% of electricity demand per year

MIYOSHI AMERICA

Siganos:

www.miyoshiamerica.com
maites@miyoshiamerica.com

Disclaimer

This suggested formulation is only a representative formulation and it is not a commercialized product. Miyoshi believes that the information and data on which this formulation is based are reliable, but it has not been subjected to extensive testing for performance, efficacy or safety. BEFORE COMMERCIALIZATION, YOU SHOULD THOROUGHLY TEST THE FORMULATION OR ANY VARIATION OF IT TO DETERMINE ITS PERFORMANCE, EFFICACY AND SAFETY. IT IS YOUR RESPONSIBILITY TO OBTAIN ANY NECESSARY GOVERNMENT CLEARANCE, LICENSE OR REGISTRATION. In addition, Miyoshi has not undertaken a comprehensive patent search on the formulation. Suggestions of uses should not be taken as inducements to infringe any particular patent. SAFE HANDLING INFORMATION PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED. BEFORE HANDLING, READ PRODUCT AND MATERIAL SAFETY DATA SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION.