

SHOWER OIL AC-BO201013-6

ELDEW PS-203R gives moisturized to skin.

	Trade name	INCI Name	wt %	Function
A	PLANTAPON AF *1	MIPA-Laureth Sulfate (and) Laureth-3 (and) Laureth-7 Citrate	43.00	Surfactant blend
	LEXOL GT-865 MB *2	Caprylic/Capric Triglyceride	18.00	Emollient
	ALMOND OIL REFINED	Sweet Almond oil	20.00	Emollient
	SUN FLOWER OIL REFINED	Helianthus annuus (Hybrid Sunflower) Seed Oil	5.00	Emollient
	ELDEW PS-203R	Phytosteryl/Octyldodecyl Lauroyl Glutamate	3.00	Emollient
	dl-a-TOCOPHERYL ACETATE *3	Tocopheryl Acetate	0.50	Anti-oxidant
B	MIGLYOL COCO810 *4	Coco-Caprylate/Caprates	34.03	Emollient
	MIGLYOL PPG810 *5	Propylene Glycol Dicaprylate/Dicaprate	34.03	Emollient
C	PHENOXYETHANOL	Phenoxyethanol	0.5	Preservative
Total			100.00	

*1 BASF, *2 IINOLEX, * 3 DSM, *4, 5 IOI OLEO

<PROCEDURE>

1. Mix Part A at room temperature.
2. Add Part B to Part A one by one.
3. Add Part C.

<PHYSICAL PROPERTIES and STABILITY>

Appearance: Clear, yellowish and waterly.

Stability: 0°C, 5°C, 25°C, 45°C, 50°C for 3 months


Note; The information is provided based upon our technical data and present knowledge. However, we make no warranties, expressed or implied, and assume no liabilities in connection with any use of the information with respect to specific property, safety and suitability for a specific application. It is also not guaranteed that use of the information does not fall within the scope of any intellectual property rights.

TECHNICAL SUPPORT DOCUMENT

(In-house only) **CONFIDENTIAL**

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Affiliates	ACAC	Formulator	Rewadee Kaewseenuan
Ajinomoto RM	3.0% ELDEW PS-203R		
Purpose	To modify the pressed powder to have more natural origin content		
Who	Asian market		
What	The shower oil with ELDEW PS-203R		
How	To use ELDEW PS-203R in the shower oil		
Benefit	ELDEW PS-203R reduces skin damage caused by the cleansing surfactant.		
Benchmark Info. (Product, Brand, Company, Claim etc)	No benchmark product.		
Potential alternative uses of the formula			
Additional Information			

Relevant TS data or TS presentation

Item	TS tool No	Summary
ELDEW PS-203R	1015-1610E	Prevention of the moisture loss by Eldew PS-203R
ELDEW PS	1015-0710E	Moisture permeability of Eldew PS
ELDEW PS	1015-1120E	Effects of ELDEW PS in a Cleansing Formula -4
ELDEW PS	1015-1130E	Effects of ELDEW in a Cleansing Formula -5
ELDEW PS	1015-1230E	Effects of ELDEW PS in a Cleansing Formula -9

Flexibility of main Ingredients excepts of fragrance or preservatives

Item	Essential Y/N	Replaceable Easy / Difficult	Substitutue Idea
MIPA-Laureth Sulfate (and) Laureth-3 (and) Laureth-7 Citrate	Y	Difficult	It can be 41% but less clean.
Caprylic/Capric Triglyceride	N	Easy	It can be reduce to be 12% with increase MIPA-Laureth Sulfate (and) Laureth-3 (and) Laureth-7 Citrate to be 49% but I the formulation cost will be more expensive.
Sweet Almond oil	N	Easy	The stability is still good if use 25%Sweet Almond oil without Helianthus annuus (Hybrid Sunflower) Seed Oil.
Helianthus annuus (Hybrid Sunflower) Seed Oil	N	Easy	The stability is still good if use 25%Helianthus annuus (Hybrid Sunflower) Seed Oil without Sweet Almond oil.
Phytosteryl/Octyldodecyl Lauroyl Glutamate	N	Easy	If use it 5% of ELDEW PS-203R, the staibility at 5° C will be not good.
Tocopheryl Acetate	N	Easy	It is a good anti-oxidant.
Coco-Caprylate/Capratae	N	Easy	The stability is still good if use 10%Coco-Caprylate/Capratae without Propylene Glycol Dicaprylate/Dicaprate.
Propylene Glycol Dicaprylate/Dicaprate	N	Easy	The stability is still good if use 10%Propylene Glycol Dicaprylate/Dicaprate without Coco-Caprylate/Capratae.

Relevant patent information (optional information)

Applicant	Patent No	Update date	Comment

Stability Information

Formulation No.: AC-BO201013-6

Storage container: **Bottle**

Vital bottle		Initial (25°C)	1 month	2 months	3 months
	Date	31/08/2021	30/09/2021	31/10/2021	30/11/2021
0°C	Viscosity (mPa.s)	< 100	< 100	< 100	< 100
	Appearance	Clear, yellowish and watery	Clear, yellowish and watery	Clear, yellowish and watery	Clear, yellowish and watery
5°C	Viscosity (mPa.s)	< 100	< 100	< 100	< 100
	Appearance	Clear, yellowish and watery	Clear, yellowish and watery	Clear, yellowish and watery	Clear, yellowish and watery
25°C	Viscosity (mPa.s)	< 100	< 100	< 100	< 100
	Appearance	Clear, yellowish and watery	Clear, yellowish and watery	Clear, yellowish and watery	Clear, yellowish and watery
45°C	Viscosity (mPa.s)	< 100	< 100	< 100	< 100
	Appearance	Clear, yellowish and watery	Clear, yellowish and watery	Clear, yellowish and watery	Clear, yellowish and watery
50°C	Viscosity (mPa.s)	< 100	< 100	< 100	< 100
	Appearance	Clear, yellowish and watery	Clear, yellowish and watery	Clear, yellowish and watery	Clear, yellowish and watery
Cycle (-5~40°C)	Viscosity (mPa.s)	< 100	< 100	< 100	< 100
	Appearance	Opaque	Opaque	Opaque	Opaque