

perfectly balanced scalp shampoo

with procataline™ g2 biofunctional
formula # M100-SH1605



>87%

claim to fame

perfectly balanced scalp shampoo to help detox and improve the condition of the scalp to give healthy looking hair



clinically proven plant peptides to restore optimal scalp sebum level and reduce irritation***



clean INCI, > 87 % nature derived****, vegan and biodegradable

description

the perfectly balanced scalp care range uses innovative plant extracts to offer a full regime of natural solutions for a healthy & balanced follicular ecosystem while revitalizing hair roots

this mild high-naturality perfectly balanced shampoo is infused with plant peptides (pea and chia) to help rebalance scalp hydration and sebum production, reducing scalp flaking and irritation and leaving the hair soft and manageable

featured ingredients:

procataline™ g2 biofunctional

a pea and chia extract clinically proven to detox and improve scalp condition by rebalancing hydration and sebum production, reducing redness and flaking; mitigating scalp irritation and purifying the scalp from pollutants

texturpure™ sa-1 ingredient

nature-derived and biodegradable suspension agent, thickener and sensorial boosting texturizer for hair and skin care cleansers

typical properties

description: white to off-white viscous liquid; pH: 4.80 to 5.40; viscosity: 3000 – 6000 cps/25°C (lv #S63, 12rpm); this formula has passed 3-month accelerated lab stabilities and a 28-day preservative challenge efficacy test**

**preservative system has not been optimized to its lowest effective level;

dermatologically controlled clinical testing on sensitive skin sufferers, (facial skin) based on representative formulation; *according to ISO16128 calculation



nature-derived

meets ISO 16128-2:2017 50-99% natural origin content standard



natural

meets ISO 16128-2:2017 100% natural origin content standard

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ingredients (trade name INCI)		% w/w	supplier
phase a			
deionized water	Aqua (Water)	q.s.	Local
disodium edta	Disodium EDTA	0.10	Local
Pureact* i-78	Sodium Cocoyl Isethionate	10.00	Innospec
Plantacare* 2000 up	Decyl Glucoside	6.50	BASF
prolipid™ 151 lamellar gel	Glyceryl Stearate (and) Cetyl Alcohol (and) Stearyl Alcohol (and) Behenyl Alcohol (and) Palmitic Acid (and) Stearic Acid (and) Hydroxyethyl Cetearamidopropyltrimonium Chloride	1.50	Ashland
Galsoft* gli 21 (p)	Sodium Cocoyl Isethionate (and) Disodium Cocoyl Glutamate	3.00	Galaxy
phase b			
deionized water	Aqua (Water)	36.10	Local
texturpure™ sa-1 ingredient	Hydroxypropyl Methylcellulose (and) Cellulose Gum (and) Xanthan Gum	0.50	Ashland
phase c			
deionized water	Aqua (Water)	12.00	Local
n-hance™ bf-13 cationic guar	Guar Hydroxypropyltrimonium Chloride	0.30	Ashland
sodium hydroxide (10%)	Sodium Hydroxide	a.n.	Local
phase d			
Galaxy* capb sb	Cocamidopropyl Betaine	10.00	Galaxy
phase e			
procataline™ g2 biofunctional	Water (and) Glycerol (and) Pisum Sativum (Pea) Extract (and) Salvia Hispanice Seed Extract	1.00	Ashland
optiphen™ bsb-w preservative	Benzyl Alcohol (and) Aqua (Water) (and) Sodium Benzoate (and) Potassium Sorbate	1.00	Ashland
phase f			
citric acid (25% aq. Solution)	Citric Acid	1.00	Local
total		100.00	

*trademark of a third party

procedure

1. phase a: with mixing add ingredients in sequence to water in main vessel along with prolipid™ 151; then heat to 80°C under slow stirring till it is completely mixed. start cooling under slow stirring
2. phase b: in a separate vessel, make a dispersion of texturpure™ sa-1 by adding it slowly to the agitated water and let it mix for 45 minutes at 400 rpm
3. phase c: in a separate vessel, make a dispersion of n-hance™ bf-13 by slowly adding it to water, then add few drops of sodium hydroxide (10% solution) to start dissolution
4. with mixing add phases b, c & d in sequence to phase a making sure each one is completely mixed before adding the next one
5. phase e: add procataline™ g2 and optiphen™ bsb-w one by one to the main vessel and let it mix completely for another 15 minutes
6. phase f: adjust the pH to from 4.7 to 5.3 with citric acid (25% solution)

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