

# All About Transparency Walnut Exfoliator

J-Beauty is all about the layers. Japanese culture teaches us the art of self-care and sophistication. Purity reins supreme. Clean skin starts with a good base. The ultra fine walnut shells in this scrub will softly exfoliate, while the mild surfactants cleanse. Did we mention it's transparent too?

## DOW

**ACULYN™ Excel:** powerful thickening and suspending agent, allowing clear surfactant based formulations at low pH.

## KAO CHEMICALS EUROPE

**AKYPO® FOAM RL 40:** very mild anionic surfactant with good foaming properties. Also easy to thicken.

**AKYPO® Soft 100 BVC:** mildest anionic surfactant from AKYPO® range and foam booster.

## COLONIAL CHEMICAL

**Poly Suga®Mulse D9:** PEG-free and ECOCERT approved surfactant, non-irritating for the eyes. Good fragrance and essential oil solubilizer.

## ECO-SHELL

**Walnut Shell 40/100 and Walnut Shell 60/100:** biodegradable exfoliating agents with two different granulometries. Vegetable-based alternatives to polyethylene particles.

## EMERALD KALAMA CHEMICAL

**Purox® S Grains Pure Grade:** COSMOS approved preservative system efficient at pH below 6.5.



TRADE NAME	INCI NAME	FUNCTION	SUPPLIER	%
<b>PHASE A</b>				
	Water (Aqua)	Solvent	Univar Solutions*	Q.S. 57.98
<b>Purox® S Grains Pure Grade</b>	Sodium Benzoate	Preservative, COSMOS approved	Emerald Kalama Chemical / Univar Solutions*	0.6
<b>ACULYN™ Excel</b>	Acrylates Copolymer	Viscosity and suspending agent	Dow / Univar Solutions*	8.0
<b>PHASE B</b>				
<b>AKYPO® FOAM RL 40</b>	Sodium Laureth-5 Carboxylate	Mild surfactant	Kao Chemicals Europe / Univar Solutions*	7.5
<b>AKYPO® Soft 100 BVC</b>	Sodium Laureth-11 Carboxylate	Mild co-surfactant, foam booster	Kao Chemicals Europe / Univar Solutions*	7.5
<b>BETADET® HR</b>	Cocamidopropyl Betaine	Secondary surfactant	Kao Chemicals Europe / Univar Solutions*	12.5
<b>PHASE C</b>				
<b>Sodium Hydroxide (30% solution in water)</b>	Sodium Hydroxide	Neutralizer	Univar Solutions*	1.46
<b>PHASE D</b>				
<b>Citric Acid Monohydrate CAM N1560 (30% solution in water)</b>	Citric Acid	pH adjuster	Jungbunzlauer / Univar Solutions*	3.26
<b>PHASE E</b>				
<b>Poly Suga®Mulse D9</b>	Sorbitan Oleate Decylglucoside Crosspolymer	Solubilizer, ECOCERT approved	Colonial Chemical / Univar Solutions*	0.5
<b>Cacao Walnut SY159301</b>	Fragrance	Fragrance	Kao Fragrances / Univar Solutions*	0.2
<b>PHASE F</b>				
<b>Walnut Shell 60/100</b>	<i>Juglans regia</i>	Natural exfoliator	Eco-Shell / Univar Solutions*	0.2
<b>Walnut Shell 40/100</b>	<i>Juglans regia</i>	Natural exfoliator	Eco-Shell / Univar Solutions*	0.3

**PROCEDURE**  
**[COLD PROCESS]**

1. Mix phase A until homogeneous
2. Add phase B to phase A and mix at low speed until completely homogeneous
3. Activate the **ACULYN™ Excel** increasing the pH above 8 with phase C. Avoid high speed mixing to avoid the incorporation of air bubbles
4. Adjust the pH back to 5.4-5.6 with phase D
5. Premix phase E and add it to the main vessel under gentle agitation
6. Add phase F ingredients under gentle agitation

**STABILITY**

Stable at least 3 months at 4°C, RT and 40°C

**COMMENTS**

- pH = 5,51
- Viscosity (spindle 4; 10 rpm; 1min) = 10,300 cPs (51,4%)
- Application: Apply on your face and massage before rinsing off
- Clear viscous gel