

Starting Formulation, LD- 8520

Dec.10.,2019
1/2

End-Use Homecare

Sunny Grapefruit - Perfume oil – Surfactant free Pickering Emulsion

Utilizing LAPONITE-EP

Formulation

Pos.	Component	Supplier	Function	Weight [g]
1	Demineralized water		Solvent	78.75
2	Sodium chloride (NaCl)	Multiple	Electrolyte	0.05
3	LAPONITE-EP (100%)	BYK	Emulsifier	1.20
4	Perfume-oil Sunny Grapefruit DPG	FREY&LAU	Perfume	20.00
				100.00

Instructions

- Weigh the required amount of water, set mixing on a homogenizer to approx. 1,500 rpm
- Add the sodium chloride to the water
- Weigh the perfume oil into a separate container or syringe and the LAPONITE-EP into a weighing boat

Turn off the homogenizer and carry out each of the following steps in immediate succession

- Add the oil and the LAPONITE-EP
 - Stir the mixture for 10 minutes at 10,000 rpm
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Characteristic Data/ Specification

Data	Unit	Value
LAPONITE content	%	1.2
Perfume oil content	%	20.0
Ratio Oil : LAPONITE		100 : 6.0

Further information / Application

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This issue replaces all previous versions.