

Jeesperse® NoLo

Emulsification Re-invented



Jeesperse® NoLo N1

INCI : Behentrimonium Chloride
(And) Cetearyl Alcohol (And)
Hydroxypropyl Guar (And) Cetyl
Alcohol (And) Vitis Vinifera
(Grape) Seed Oil (And) Guar
Hydroxypropyltrimonium
Chloride

Jeesperse® NoLo C2

INCI : Behentrimonium Chloride
(And) Cetearyl Alcohol (And)
Polyquaternium-37 (And) Cetyl
Alcohol (And) Vitis Vinifera
(Grape) Seed Oil (And) Guar
Hydroxypropyltrimonium
Chloride

**Reduced equipment &
labor complexity**

Simplified logistic

**Sustainable & earth-
friendly processes**

DIY-friendly

Recommended applications

Jeesperse® NoLo Energy Powders are self-emulsifying bases for hair care applications designed to require No or Low energy.

Jeesperse® NoLo powders open new possibilities for sustainable, cold- and low-energy processes for manufacturers, as well as new DIY options for consumers. Jeesperse® NoLo powders' compositions are optimized to ensure quick wetting and hydration, easy dispersion, and creation of stable emulsions, even when using low shear mixing equipment or following room-temperature processes. Depending on your project, Jeesperse® NoLo powders can significantly reduce overall manufacturing time. A simple formulation using individual ingredients can take up to 6 times the amount of time needed to complete the formulation procedure with Jeesperse® NoLo.

Jeesperse® NoLo powders contain all the chassis ingredients needed for the creation of successful hair conditioner formulations and exist in two grades: Jeesperse® NoLo C2 (Natural Origin Index: 65%) or Jeesperse® NoLo N1 (Natural Origin Index: 85%). Both grades contain grapeseed oil combined with behentrimonium chloride for intense hair conditioning. Just add your hero ingredient and launch your product! The viscosity of the formulation can easily be adjusted by adjusting the concentration of Jeesperse® NoLo powders.

Simpler and greener manufacturing

When working with Jeesperse® NoLo powders, manufacturers can simplify their logistics, reduce equipment and labor complexity, develop more sustainable manufacturing procedures, and easily develop customizable water-free formulations.

[Watch Jeesperse® NoLo in action!](#)



Hair Care

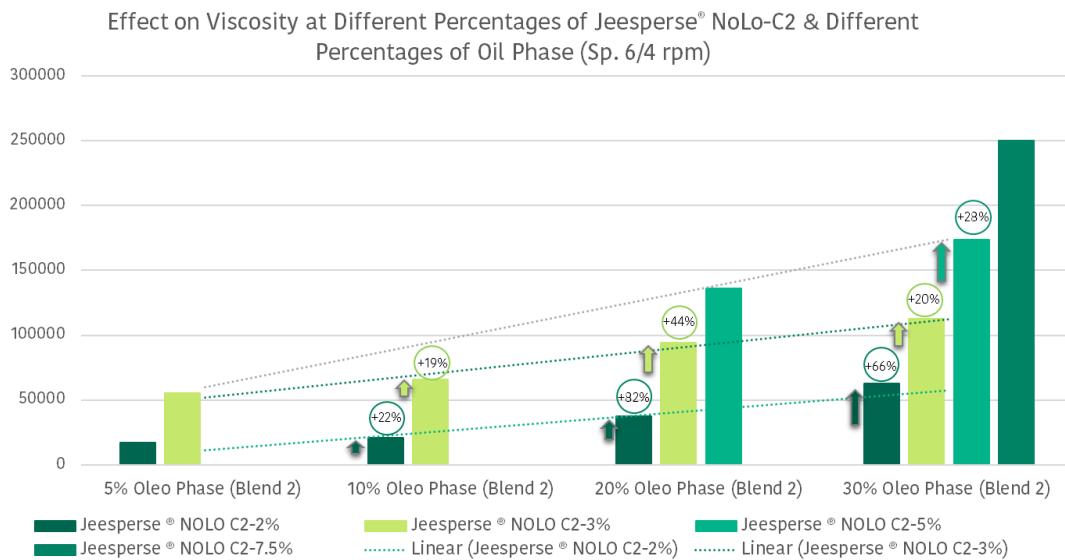


Vantage

Study 1: Viscosity effect

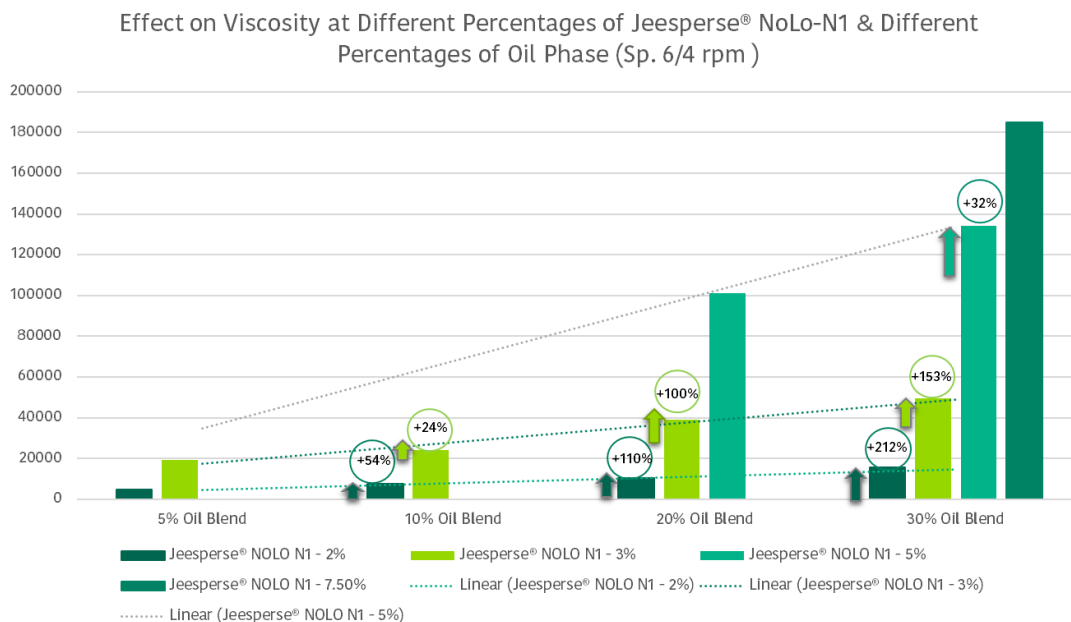
The viscosity of Jeesperse® NoLo-C2 was measured with varying percentages of oil phases. The results showed:

- ✓ Increasing the percentage of Jeesperse® NoLo-C2 increases viscosity
- ✓ Increasing the percentage of the oil phase with the same percentage of Jeesperse® NoLo-C2 also increases viscosity
- ✓ The max percentage level of oil that can be incorporated into Jeesperse® NoLo-C2 is ~30%



The viscosity of Jeesperse® NoLo-N1 was measured with varying percentages of oil phases. The results showed:

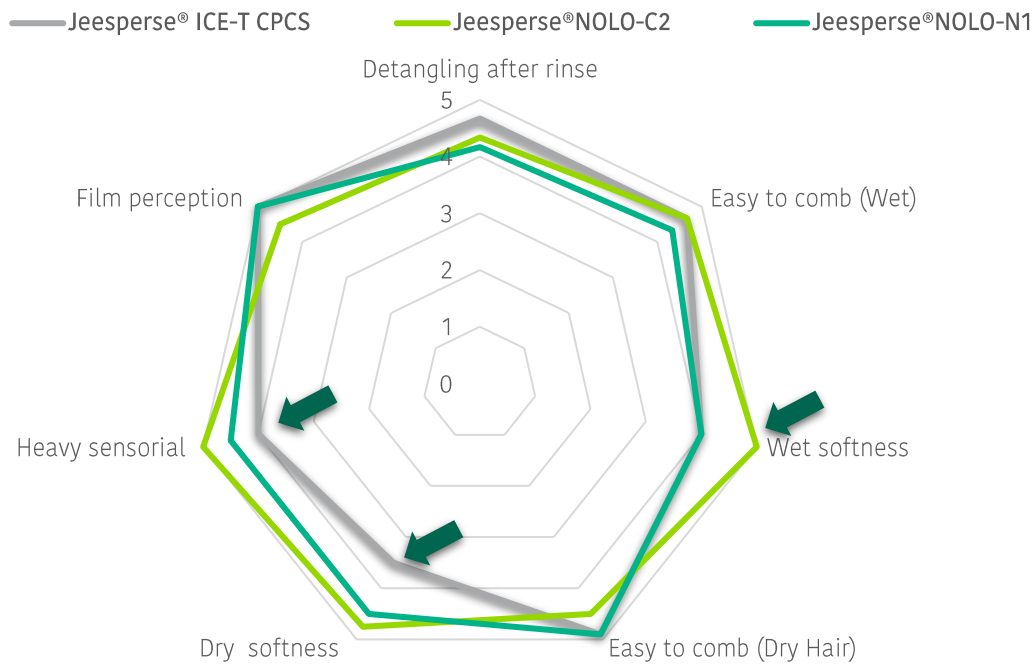
- ✓ Increasing the percentage of Jeesperse® NoLo-N1 increases viscosity
- ✓ Increasing the percentage of the oil phase with the same percentage of Jeesperse® NoLo-N1 also increases viscosity
- ✓ The max percentage level of oil that can be incorporated into Jeesperse® NoLo-N1 is ~30%



Study 2: Sensorial evaluation on bleached hair

The conditioning effect of Jeesperse NoLo was measured on bleached hair in a leave-on conditioner. Results show that Jeesperse NoLo C2 delivers a lush sensorial feel with both substantive wet and dry softness, while Jeesperse NoLo N1 provides an adequate amount of sensorial feel and dry softness with more dry combability.

Sensorial evaluation in Bleached Hair Tresses (Leave on conditioner cream)



VPC.01.22.400 Jeesperse® NoLo-C2 Emulsion trial (3% - 5% Oil Phase)
 VPC.01.22.385 Jeesperse® NoLo N1 Emulsion trial (3% - 5% Oil Phase)
 VPC.01.22.480 Jeesperse® ICE-T CPCS Emulsion trial (3% - 5% Oil Phase)



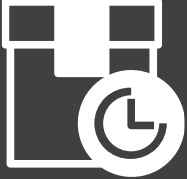
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| | |
|-----------------------|--------------|
| Appearance @ 25C | White powder |
| Preservative | None |
| Recommended use level | 1-10% |

Manufacturing made simpler


Jeesperse® NoLo powders are about making manufacturers and consumers' lives simpler! They allow brands to develop greener products, reduce manufacturing complexity, and develop innovative products that meet consumers' demand for more convenient formats.




1-Simplified logistics
Reduce paperwork and headaches



2-Reduced equipment & labor complexity
Keep it simple




3-Sustainable & earth-friendly processes
Less shear, less heat, less time




4-Customization and convenience
Water-free formulations that can be easily customized

Sustainable processes


Jeesperse® NoLo powders play an integral role in your sustainability goals. By reducing the need for heat, shortening mixing times, and simplifying your logistic, our self-emulsifying bases contribute to reducing your overall carbon footprint.




No heat
Emulsify with little to no heat



Speedy
Shorter batch cycles means less energy consumed



Efficient transportation
Our solid, pre-blended powders simplify the logistics to your plant



Reduce waste
Less failure due to weighing mistake or processing failures

Formulation guidelines

Jeesperse® NoLo EP self-emulsifying bases are compatible with polar and non-polar ingredients.

Add Jeesperse® NoLo EP to water and mix.

Mixing can be done under room temperature or in heated process.

Polar or non-polar phases can be added after hydration of the powder while using a mixer.

A homogenizer can be used to create a more opaque appearance and ease incorporation.

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