

FORMULATION

# Hair Serum

#LPC-24-2

## Overview

Unlock healthy shine and manageability with our weightless, water-based hair serum. This detangling formula hydrates and smooths for soft, lustrous hair without greasy buildup, and is suitable for all hair types.

## Composition

Trade Name	INCI	% w/w
DI Water	Water	96.32
Natrosol HR-CS	Hydroxyethylcellulose	0.50
Sodium Hydroxide solution 18%	Sodium Hydroxide	0.03
Glycerin 99%	Glycerin	1.00
<b>Soltellus 2501L (Lygos)</b>	<b>Sodium Polyaspartate</b>	<b>1.25</b>
Euxyl PE9010	Phenoxyethanol (and) Ethylhexylglycerin	0.90
Citric Acid Solution 1%	Citric Acid	qs
		100.00

## Procedure

1. Add water into main vessel, begin propeller mixing.
2. Slowly add hydroxyethylcellulose to main vessel, when dispersed begin warming to 45°C.
3. Add sodium hydroxide to main vessel, batch will begin to clear and thicken.
4. Allow to mix until smooth.
5. Add glycerin to main vessel followed by Soltellus 2501L while mixing.
6. Begin cooling.
7. Add preservative to main vessel with mixing.
8. Adjust final pH to 5.50-6.00 with citric acid solution.

## Technical Specifications

Parameter	Value
pH (as is)	5.50-6.00
Viscosity (cPs)	500-1000