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### 1. HOW TO FORMULATE

Trials in our laboratories have shown that most perfumes and colours can be used successfully in cosmetic bases.

These products may require heating to a maximum of 30°C and continuous agitation when introducing additives.

Once all additions are complete it is important to stop heating as at prolonged high temperatures can cause instability.

**Note:** The choice of additives; including perfume and colours may impact:

- Ease of use and solubility
- Stability
- Final product colour

Fragrances levels of 1%\* or less usually give an acceptable odour

\*Shampoo base C must use organic essential oils at 0.5% Max.

Should there be a need to thicken then you could look to use salt / salt solution with the following

- 3in1 Body Wash
- Premium Hair and Body Wash

It is not advisable to try and thicken the following bases as they are thickened using Xanthan Gum

- Liquid Crystal Suspending Body Wash
- Shampoo Base
- Shampoo Base C

## 2. STABILITY GUIDANCE

During the development of this base our standard stability testing protocol was successfully conducted, this included monitoring for a 12-week period under the following conditions: Ambient (light & dark), Fridge (5°C), Oven (40°C)

Once the base has been used to formulate a final finished product, via the addition of additives, fragrance, ***we highly recommend that additional stability is conducted to verify the final product.***

## 3. MICROBIOLOGY GUIDANCE

These bases have passed a microbiological challenge test in accordance with ISO 11930:2019.

Once the base has been used to formulate a final finished product, via the addition of additives and fragrance, ***we highly recommend that additional microbiological challenge testing is conducted to verify the final product.***

## 4. PROUCT SAFETY

Our product bases have been formulated to comply with the Cosmetic Product Regulation (EU) No.1223/2009.

Once the base has been used to formulate a final finished product, via the addition of additives and fragrance, ***a final Cosmetic Product Safety Report (CPSR) will be required for sale in the EU/UK.***

## 5. STORAGE

Optimum storage conditions 15-25°C

For base shelf-life, see delivery certificate of analysis (CofA).

For more info, tips and troubleshooting tricks on our soap bases, visit our website

[www.stephensonpersonalcare.com](http://www.stephensonpersonalcare.com)