

## Research & Development Department

### PRODUCT STABILITY TESTING

PRODUCT NAME: Hair Design Studio Just Coconut Indulgent Shampoo

PRODUCT CODE: HD8802



Accelerated Studies



Real-Time Studies

PRODUCT TYPE: Shampoo

DESCRIPTION OF PRIMARY PACK: Tube

FINAL PACK: 250ml, 100% PP Tube

STORAGE/TEST CONDITIONS: The product formula was stored at room temperature and elevated temperature of 40°C for 3 months

RESULTS: Accelerated stability study is designed to increase the rate of chemical degradation/or physical change of a produce by elevating the temperature of storage condition with the purpose of monitoring degradation and predicting self-life.

The product samples are incubated at an elevated temperature of 40°C. One month in the incubator at 40°C simulates one year of shelf-life.

The parameters and results of the accelerated stability study conducted are:

PARAMETERS	INITIAL	RESULTS 3 MONTHS
Appearance	Viscous Liquid	As standard
Colour	Off white / pale yellow Liquid	As standard
Odour	Coconut PN804346	As standard
Viscosity	8,000 – 12,000	8,500
Specific Gravity	1.00 – 1.04	1.03
pH	4.5 – 5.4	5.19

CONCLUSION: Based on the results above the shelf-life of Shampoo is at least 4 years and if kept away from heat and light up to 5 years.

Signed



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