

## Research & Development Department

### PRODUCT STABILITY TESTING

PRODUCT NAME: Hair Design Studio Just No Frizz Frizz Fighting Conditioner

PRODUCT CODE: HD8801



Accelerated Studies



Real-Time Studies

PRODUCT TYPE: Conditioner

DESCRIPTION OF PRIMARY PACK: Tube

FINAL PACK: 250ml 70% LLDPE, 30% HDPE Tube

STORAGE/TEST CONDITIONS: The product formula was stored at 0°C, 20°C, 30°C, 40°C, 50°C for 3 months also six cycles of freeze thaw from -10°C to 30°C

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	Cream	As Standard
Colour	White pearl	As Standard
Odour	Freeze A314283	As Standard
Viscosity	20,000 - 50,000cps TC@5	36,000
Specific Gravity	0.91 - 0.99	0.97
pH	3.5 - 4.8	4.18

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

Signed



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24/10/2016

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