

Research & Development Department

PRODUCT STABILITY TESTING

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

PRODUCT CODE: HD8800



Accelerated Studies



Real-Time Studies

PRODUCT TYPE: Shampoo

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	Liquid Pearl	As Standard
Colour	White Pearl	As Standard
Odour	Freeze A314283	As Standard
Viscosity	8,000 - 12,000cps sp4@10	12,000
Specific Gravity	1.00 - 1.05	1.03
pH	5.0 - 7.0	5.75

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

Signed



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TECHNICAL DIRECTOR

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