

Potter & Moore Innovations Ltd

Established 1749
1210 Lincoln Road, Werrington, Peterborough, PE4 6ND
Telephone: 01733 281000 Fax: 01733 281028

Stability Test Report

| | |
|---------------------|----------------------|
| Customer: | Creightons |
| Product: | Argan Smooth Shampoo |
| R&D code: | MCR11709 |
| Start date: | 19/04/2013 |
| Packaging Material: | Glass Jar |
| Submitted By: | MSZ |

| Test parameter | Specification | Initial (RT) | 12 weeks (RT) |
|-------------------------------------|---|--------------|---------------|
| Appearance | Pearlised Gel | AS STD | AS STD |
| Colour | White | AS STD | AS STD |
| Odour & Level (Fragrance ref.) | RFCR0056 @ 0.4% Morello Cherry & Fig | AS STD | AS STD |
| pH | 4.5-5.3 | 5.08 | 5.18 |
| Viscosity @ 25°C Spindle: SP4@10 | 7500 - 11000 | 9,000 | 10,800 |

Tests Required

| | | | | | | | |
|----|-----|-----|-----|-----|-----|--|--|
| 4° | 25° | 30° | 40° | 50° | D/L | | |
|----|-----|-----|-----|-----|-----|--|--|

D/L = Daylight

S/L = Store Light – for products in transparent packaging which will be backlit in store

L/B = Light Box – for products in transparent packaging which are coloured and will be exposed to light on shelf

Comments:

Proposed Packaging:

| Week | Date | Tested By | Checked By | |
|------|---------|-----------|------------|--|
| 2 | 3.5.13 | MSZ | CE | |
| 4 | 17.5.13 | MSZ | CE | |
| 8 | 14.6.13 | msz | CE | |
| 12 | 12.7.13 | msz | CE | |

| | | | |
|-------------|--------------|---------|---------|
| Decision: | Approved by: | Signed: | Date: |
| Pass | A.Lancucka | AL | Week 12 |

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Stability Test Report

| | COLOUR | | | | | |
|----------|----------|-----|------|------|------|------|
| | Daylight | 4°C | 25°C | 30°C | 40°C | 50°C |
| 2 weeks | 0 | 0 | 0 | 0 | 0 | 1Y |
| 4 weeks | 0 | 0 | 0 | 0 | 0 | 2/3Y |
| 8 weeks | 1Y | 0 | 0 | 0 | 1/2Y | |
| 12 weeks | 1Y | 0 | 0 | 0 | 3Y | |

| | ODOUR | | | | | |
|----------|----------|-----|------|------|------|------|
| | Daylight | 4°C | 25°C | 30°C | 40°C | 50°C |
| 2 weeks | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 weeks | 0 | 0 | 0 | 0 | 0 | 1S |
| 8 weeks | 0 | 0 | 0 | 0 | 1W | |
| 12 weeks | 0 | 0 | 0 | 0 | 1/2W | |

| | pH | | | | | |
|----------|----------|------|------|------|------|------|
| | Daylight | 4°C | 25°C | 30°C | 40°C | 50°C |
| 2 weeks | 5.15 | 5.14 | 5.16 | 5.16 | 5.16 | 5.09 |
| 4 weeks | 5.11 | 5.12 | 5.12 | 5.12 | 5.14 | 5.19 |
| 8 weeks | 5.22 | 5.26 | 5.28 | 5.22 | 5.26 | |
| 12 weeks | 5.16 | 5.13 | 5.18 | 5.17 | 5.14 | |

| | VISCOSITY | | | | | |
|----------|-----------|--------|--------|--------|--------|--------|
| | Daylight | 4°C | 25°C | 30°C | 40°C | 50°C |
| 2 weeks | 10,000 | 10,200 | 10,200 | 10,400 | 10,000 | 10,600 |
| 4 weeks | 10,200 | 10,400 | 10,400 | 10,600 | 10,600 | 11,800 |
| 8 weeks | 11,000 | 11,200 | 11,600 | 11,600 | 11,000 | |
| 12 weeks | 10,800 | 10,600 | 10,800 | 11,000 | 10,400 | |

Comments:

| Key | Colour Key | Odour Key |
|----------------------------|-----------------|------------------|
| 0 = No Change | F = Faded | |
| 1 = Very Slight Change | D = Darkened | A = Acceptable |
| 2 = Slight Change | Y = More Yellow | U = Unacceptable |
| 3 = Noticeable Change | R = More Red | W = Weaker |
| 4 = Very Noticeable Change | B = More Blue | S = Stronger |
| 5 = Extreme Change | | |