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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | **Formulation Recipe** | | | | | | | **Material Code** | **Material Name** | **%w/w** | **Classification** | **QTY Required** | **UOM** | | COL1234545 | ALS030PO Primesurf / SLES 234 Caflon | 89.645564 |  | 89.645564 | Kg | | COL1234545 | ALS030PO Primesurf / SLES 234 Caflon | 89.645564 |  | 89.645564 | Kg | | COL1234545 | ALS030PO Primesurf / SLES 234 Caflon | 89.645564 |  | 89.645564 | Kg | | COL1234545 | ALS030PO Primesurf / SLES 234 Caflon | 89.645564 |  | 89.645564 | Kg | | COL1234545 | ALS030PO Primesurf / SLES 234 Caflon | 89.645564 |  | 89.645564 | Kg | | COL1234545 | ALS030PO Primesurf / SLES 234 Caflon | 89.645564 |  | 89.645564 | Kg | | COL1234545 | ALS030PO Primesurf / SLES 234 Caflon | 89.645564 |  | 89.645564 | Kg | | COL1234545 | ALS030PO Primesurf / SLES 234 Caflon | 89.645564 |  | 89.645564 | Kg | | COL1234545 | ALS030PO Primesurf / SLES 234 Caflon | 89.645564 |  | 89.645564 | Kg | |  | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | **Stability Testing Criteria** | | | | | | | **#** | **Test Name** | **Method** | **Specification Parameters** | | | | 1 | Appearance | 5.701-A | Matches the Standard. Clear/Slightly Cloudy, Colourless solution | | | | 2 | Odour | 5.701-B | Matches the Standard. Fruity | | | | 3 | pH | 5.701-G | 1.010 | - | 1.020 | | 3 | SG | 5.701-G | 1.010 | - | 1.020 | | 3 | Viscosity | 5.701-G | 1.010 | - | 1.020 | |

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| **Method Of Manufacture** | | | | | |
| **Step #** | **Method Instructions** | | | **QTY Required** | **UOM** |
| 1 | Add | ALS030PO Primesurf / SLES 234 Caflon | To the vessel and mix | 565 | Kg |
| 1 | Add | ALS030PO Primesurf / SLES 234 Caflon | To the vessel and mix | 565 | Kg |
| 1 | Add | ALS030PO Primesurf / SLES 234 Caflon | To the vessel and mix | 565 | Kg |
| 1 | Add | ALS030PO Primesurf / SLES 234 Caflon | To the vessel and mix | 565 | Kg |
| 1 | Add | ALS030PO Primesurf / SLES 234 Caflon | To the vessel and mix | 565 | Kg |
| 1 | Add | ALS030PO Primesurf / SLES 234 Caflon | To the vessel and mix | 565 | Kg |
| 1 | Add | ALS030PO Primesurf / SLES 234 Caflon | To the vessel and mix | 565 | Kg |
| 1 | Add | ALS030PO Primesurf / SLES 234 Caflon | To the vessel and mix | 565 | Kg |

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| **Stability Findings** | | | | | | | |
| **Condition** | **Tests** | **1 week** | **2 week** | **4 week** | **8 week** | **12 week** | **Comments** |
| 14.12.16 | 21.12.16 | 04.01.16 | 01.02.17 | 01.03.17 |
| **Fridge (4C)** | Colour | green | green | green | green | green |  |
| Odour | lemon & cucumber | lemon & cucumber | lemon & cucumber | lemon & cucumber | lemon & cucumber |
| Appearance | clear gel | clear gel | clear gel | clear gel | clear gel |
| pH | 6.78 | 7.02 | 6.77 | 6.81 | 6.78 |
| Viscosity | 34 300 cP | 36 900cP | 36 400 cP | 33 800 cP | 34 100 cP |
| **20°C** | Colour | green | green | green | green | green |  |
| Odour | lemon & cucumber | lemon & cucumber | lemon & cucumber | lemon & cucumber | lemon & cucumber |
| Appearance | clear gel | clear gel | clear gel | clear gel | clear gel |
| pH | 6.67 | 6.66 | 6.63 | 6.59 | 6.5 |
| Viscosity | 38 400 cP | 37 600 cP | 36 900 cP | 33 000 cP | 35 400 cP |
| **37C** | Colour | green | green | green | green | green |  |
| Odour | lemon & cucumber | lemon & cucumber | lemon & cucumber | lemon & cucumber | lemon & cucumber |
| Appearance | clear gel | clear gel | clear gel | clear gel | clear gel |
| pH | 6.88 | 7.08 | 7 | 7.01 | 6.78 |
| Viscosity | 37 100 cP | 34 800 cP | 34 200 cP | 30 800 cP | 34 800 cP |
| **45C** | Colour | green | green | green | green | green |  |
| Odour | lemon & cucumber | lemon & cucumber | lemon & cucumber | lemon & cucumber | lemon & cucumber |
| Appearance | clear gel | clear gel | clear gel | clear gel | clear gel |
| pH | 7.19 | 7.2 | 7.21 | 7.11 | 6.99 |
| Viscosity | 38 300 cP | 35 600 cP | 33 500 cP | 33 400 cP | 34 000 cP |
|  |  |  | | | | |  |
| **Freeze Thaw**  **5 Cycles** | Colour | green | | | | |  |
| Odour | lemon & cucumber | | | | |
| Appearance | clear gel | | | | |
| pH | 7.19 | | | | |
| Viscosity | 38 300 cP | | | | |