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|----------------------------------------------------------------------------------|---------------------------------------|--|----------------|
|  | Universal Packaging Company (Pvt) Ltd |  | Effective Date |
|                                                                                  | Certificate Of Analysis               |  | 12.12.2022     |
|                                                                                  | REC-QA-34-22                          |  | Rev:0          |
|                                                                                  |                                       |  | Page 1 of 1    |

|                         |           |                           |                                 |
|-------------------------|-----------|---------------------------|---------------------------------|
| <b>Customer Name:</b>   | UNILEVER  | <b>Job Name:</b>          | REEL SFXL RS.50 CP 2L 10% EXTRA |
| <b>Job card #:</b>      | 23070162  | <b>Structure:</b>         | PET (10μ) + M.LDPE (50μ)        |
| <b>Dispatched Date:</b> | 31-Jul-23 | <b>Production Date:</b>   | 25/Jul/23                       |
| <b>Best Before:</b>     | 6 Months  | <b>Sampling Plan:</b>     | SOP-QA-11-19                    |
| <b>Vechile Number:</b>  | TKX-517   | <b>Dispatch Quantity:</b> | 3607.61Kg                       |

| S.NO | Parameters                            | Target | Min   | Max   | Test method | Unit              | Results |
|------|---------------------------------------|--------|-------|-------|-------------|-------------------|---------|
| 1    | Grammage                              | 62.32  | 56.79 | 67.85 | ISO 536     | g/m <sup>2</sup>  | 63.8    |
| 2    | Reel Width                            | 720    | 719   | 721   | Internal    | mm                | 720     |
| 3    | Coef of Fr. Dynamic face\face         | 0.25   | 0.22  | 0.28  | ASTM D1894  | Number            | 0.24    |
| 4    | Coef of Fr. Dynamic Reverse\Reverse   | 0.23   | 0.2   | 0.26  | ASTM D1894  | Number            | 0.23    |
| 5    | Coef of Fr. Static face\face          | 0.23   | 0.2   | 0.26  | ASTM D1894  | Number            | 0.24    |
| 6    | Coef of Fr. Static Reverse\Face       | 0.25   | 0.22  | 0.28  | ASTM D1894  | Number            | 0.24    |
| 7    | Lamination Strength                   | 1.25   | 1.1   | -     | F 904-98    | N/15mm            | 2.8     |
| 8    | Dart Impact                           | 400    | 360   | 440   | ASTMD1709   | g                 | 465     |
| 9    | Repeat Length                         | 160    | 159   | 161   | Internal    | mm                | 160     |
| 10   | Seal Strength                         | 10     | 7.3   | -     | ASTM F88    | N/15mm            | 11.5    |
| 11   | Tensile Strength @ Break (CD)         | 48     | 44    | -     | ASTM D882   | N/mm <sup>2</sup> | 52      |
| 12   | Tensile Strength @ Break - F max (CD) | 45     | 37    | -     | ASTM D882   | N/15mm            | 48      |
| 13   | Tensile Strength @ Break (MD)         | 37     | 32    | -     | ASTM D882   | N/mm <sup>2</sup> | 39      |
| 14   | Tensile Strength @ Break - F max (MD) | 35     | 27    | -     | ASTM D882   | N/15mm            | 53      |
| 15   | Thickness                             | 62.32  | 56.59 | 68.05 | DIN 53370   | μ                 | 64      |

**Remarks:** Storage condition, Temperature should be below 30°C & 50% humidity.

**Note:** System generated document signature donot required.

Universal Packaging Company(pvt) Ltd. Plot No : GA-65-66-A4-A5, Korangi Creek National Industrial park, Korangi Town Karachi,Pakistan