

**Universal Packaging Company (Pvt) Ltd****Certificate Of Analysis**

REC-QA-34-22

Effective Date

12-12-22

Rev:0

Page 1 of 1

| | | | |
|---------------------------|-----------|-------------------------|--|
| Customer Name: | UNILEVER | Job Name: | KNORR CGS 400G |
| Job card #: | 23030197 | Structure: | PET (10μ) + FOIL (07μ)+ PET (10μ) + LDPE NYLON (142μ) |
| Dispatched Date: | 20-May-23 | Production Date: | 12-May-23 |
| Best Before: | 6 Months | Sampling Plan: | SOP-QA-11-19 |
| Dispatch Quantity: | 877.05 Kg | Vehicle Number: | JV-7216 |

| S.NO | Parameters | Standard | Test method | Unit | Results |
|------|-------------------------------------|-------------|--------------|-----------------------|---------|
| 1 | Width | 471-473 | ISO-4592 | mm | 472 |
| 2 | Repeat length | 154-156 | Internal | mm | 155 |
| 3 | Grammage | 171.5-212.5 | ASTM-D3776 | g/m ² | 191.1 |
| 4 | Thickness | 160-196 | ASTM-F2251 | μm | 175 |
| 5 | Lamination Strength A to B | N\A | ASTM F904-98 | gf/25mm | N/Open |
| 6 | Lamination Strength B to C | N\A | ASTM F904-98 | gf/25mm | N/Open |
| 7 | Lamination Strength C to D | N\A | ASTM F904-98 | gf/25mm | 791 |
| 8 | Moisture Permeability | 0.074 | ASTM-E398 | g/m ² /day | 0.048 |
| 9 | Seal Strength | N\A | ASTM-F88 | gf/25mm | 14667 |
| 10 | Coef of Fr. Dynamic Face/Face | N\A | ASTM-D1894 | Value | 0.196 |
| 11 | Coef of Fr. Static Face/Face | N\A | ASTM-D1894 | Value | 0.246 |
| 12 | Coef of Fr. Dynamic Reverse/Reverse | N\A | ASTM-D1894 | Value | 0.166 |
| 13 | Coef of Fr. Static Reverse/Reverse | N\A | ASTM-D1894 | Value | 0.227 |
| 14 | Print Quality | N\A | Visual Test | N/A | Ok |

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