



Universal Packaging Company (Pvt) Ltd

Effective Date
12/12/2022

Certificate Of Analysis

Rev:0

REC-QA-34-22

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Customer Name:	UNILEVER	Job Name:	KNOR CGS 800 G LAMINATE
Job card #:	23100214	Structure:	PET (10μ) + FOIL (07μ)+ PET (10μ) + LDPE NYLON (152μ)
Dispatched Date:	7-Nov-23	Production Date:	30/Oct/23
Best Before:	6 Months	Sampling Plan:	SOP-QA-11-19
Dispatch Quantity:	2,006.62 Kg	Vehicle Number:	JU-6206

S.NO	Parameters	Standard	Test method	Unit	Results
1	Width	537-539	ISO-4592	mm	538
2	Repeat length	159-161	Internal	mm	160
3	Grammage	181.5-222.5	ASTM-D3776	g/m ²	198.5
4	Thickness	170-204	ASTM-F2251	μm	187
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	871
8	Moisture Permeability	0.074	ASTM-E398	g/m ² /day	0.048
9	Seal Strength	N\A	ASTM-F88	gf/25mm	13212
10	Coef of Fr. Dynamic Face/Face	N\A	ASTM-D1894	Value	0.177
11	Coef of Fr. Static Face/Face	N\A	ASTM-D1894	Value	0.211
12	Coef of Fr. Dynamic Reverse/Reverse	N\A	ASTM-D1894	Value	0.154
13	Coef of Fr. Static Reverse/Reverse	N\A	ASTM-D1894	Value	0.191
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