

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

Customer Name:	UNILEVER	Job Name:	REEL SFXL RS.50 CP 1L 10% EXTRA CP (SINGLE LANE)
Job card #:	23100120	Structure:	PET (10μ) + M.LDPE (50μ)
Dispatched Date:	26-Oct-23	Production Date:	20-Oct-23
Best Before:	6 Months	Sampling Plan:	SOP-QA-11-19
Vehicle Number:	C-9574	Dispatch Quantity:	1,591,872.00 / pcs

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>	65.1
2	Reel Width	360	359	361	Internal	mm	360
3	Coef of Fr. Dynamic face\face	0.25	0.22	0.28	ASTM D1894	Number	0.25
4	Coef of Fr. Dynamic Reverse\Reverse	0.23	0.2	0.26	ASTM D1894	Number	0.22
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	0.27
7	Lamination Strength	1.25	1.1	-	F 904-98	N/15mm	2.1
8	Dart Impact	400	360	440	ASTMD1709	g	440
9	Repeat Length	160	159	161	Internal	mm	160
10	Seal Strength	10	7.3	-	ASTM F88	N/15mm	32
11	Tensile Strength @ Break (CD)	48	44	-	ASTM D882	N/mm <sup>2</sup>	46
12	Tensile Strength @ Break - F max (CD)	45	37	-	ASTM D882	N/15mm	45
13	Tensile Strength @ Break (MD)	37	32	-	ASTM D882	N/mm <sup>2</sup>	37
14	Tensile Strength @ Break - F max (MD)	35	27	-	ASTM D882	N/15mm	33
15	Thickness	62.32	56.59	68.05	DIN 53370	μ	65

**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