

	Universal Packaging Company (Pvt) Ltd						Effective Date
	Certificate Of Analysis						12.12.2022
	REC-QA-34-22						Rev:0
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Customer Name:	UNILEVER	Job Name:	REEL SE RE-LAUNCH 500G NEW
Job card #:	23060137	Structure:	PET (10μ) + M,LDPE (60μ)
Dispatched Date:	19-Oct-23	Production Date:	5/Oct/23
Best Before:	6 Months	Sampling Plan:	SOP-QA-11-19
Vehicle Number:	JT-8420	Dispatch Quantity:	84,316.00 / Pcs

S.NO	Parameters	Target	Min	Max	Test method	Unit	Results
1	Grammage	71.52	65.07	79.97	ISO 536	g/m ²	74
2	Reel Width	450	449	451	Internal	mm	450
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	0.21
5	Coef of Fr. Static face\face	0.23	0.2	0.26	ASTM D1894	Number	0.23
6	Coef of Fr. Static Reverse\Face	0.25	0.22	0.28	ASTM D1894	Number	0.22
7	Lamination Strength	1.25	1.1	-	F 904-98	N/15mm	3.7
8	Dart Impact	400	360	440	ASTMD1709	g	400
9	Repeat Length	220	218	222	Internal	mm	220
10	Seal Strength	10	7.3	-	ASTM F88	N/15mm	37
11	Tensile Strength @ Break (CD)	41	37	-	ASTM D882	N/mm ²	56
12	Tensile Strength @ Break - F max (CD)	45	37	-	ASTM D882	N/15mm	65
13	Tensile Strength @ Break (MD)	32	27	-	ASTM D882	N/mm ²	50
14	Tensile Strength @ Break - F max (MD)	35	27	-	ASTM D882	N/15mm	55
15	Thickness	72.75	65.98	79.53	DIN 53370	μ	74

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