

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

REC-QA-34-22

Effective Date

12.12.2022

Rev:0

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Customer Name:	UNILEVER	Job Name:	67607737-MP BAG CHATPATA PRICE CHANGE AW (MP-4)
Job card #:	23050130	Structure:	BOPP(20μ)+ LDPE (40μ)
Dispatched Date:	26-May-23	Lot Production Date:	22-May-23
Best Before:	6 Months	Sampling Plan:	SOP-QA-11-19
Dispatch Quantity:	2438.64kg	Vechile Reg Number:	JV-7964

S.NO	Parameters	Standard	Test method	Unit	Results
1	Grammage	58.2-64.5	ISO 536	g/m ²	60.4
2	Bag Width	135-145	Internal	mm	142
3	Coef of Fr. Dynamic Face/Face	0.2-0.4	ASTM-D1894	Number	0.27
4	Coef of Fr. Dynamic Reverse/Face	0.2-0.4	ASTM-D1894	Number	0.26
5	Coef of Fr. Dynamic Reverse/Reverse	0.2-0.4	ASTM-D1894	Number	0.26
6	Coef of Fr. Static Face/Face	0.2-0.4	ASTM-D1894	Number	0.31
7	Coef of Fr. Static Reverse/Face	0.2-0.4	ASTM-D1894	Number	0.31
8	Coef of Fr. Static Reverse/Metal	0.2-0.4	ASTM-D1894	Number	0.22
9	Bag Height	229-231	Internal	mm	230
10	Seal Strength	4.5	ASTM F88	N/15mm	6.5
11	Thickness	60-70	DIN 53370	μm	65
12	Lamination Quality	N/A	ASTM-F904	N/A	OK
13	Print Quality	N/A	Visual Test	N/A	OK
14	Machineability	N/A	Undefined	N/A	OK
15	Odour in Laminates	N/A	ISO-13302	N/A	OK

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

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