

**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:	OW KNORR MASALA 31.5G (RS.30)
Job card #:	23070174	Structure:	PET (12μ)+BOPP.COM (18μ)
Dispatched Date:	27-Jul-23	Production Date:	25-Jul-23
Best Before:	6 Months	Sampling Plan:	SOP-QA-11-19
Dispatch Quantity:	10109.68Kg	Vehicle Number:	TMK919

S.NO	Parameters	Standard	Test method	Unit	Results
1	Grammage	35-41	ISO 536	g/m ²	36.8
2	Width	244-246	Internal	mm	245
3	Coef of Fr. Dynamic Face/Face	0.229-0.232	ASTM-D1894	Number	0.262
4	Coef of Fr. Dynamic Reverse/Face	0.318-0.323	ASTM-D1894	Number	0.322
5	Coef of Fr. Dynamic Reverse/Metal	0.17-0.201	ASTM-D1894	Number	0.185
6	Coef of Fr. Dynamic Reverse/Reverse	0.337-0.358	ASTM-D1894	Number	0.351
7	Coef of Fr. Static Face/Face	0.238-0.244	ASTM-D1894	Number	0.243
8	Coef of Fr. Static Face/Metal	0.18-0.201	ASTM-D1894	Number	0.189
9	Coef of Fr. Static Reverse/Face	0.337-0.358	ASTM-D1894	Number	0.347
10	Coef of Fr. Static Reverse/Metal	0.18-0.212	ASTM-D1894	Number	0.209
11	Repeat Length	144-146	Internal	mm	145
12	Seal Strenght	4.5	ASTM F88	N/15mm	4.8
13	Thickness	32.5-37.5	DIN 53370	μm	34
14	Lamination Quality	N/A	ASTM-F904	N/A	OK
15	Print Quality	N/A	Visual Test	N/A	OK
16	Machineability	N/A	Undefined	N/A	OK
17	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