

ALITY PAPER INDUSTRIES PRIVATE LIMITED

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TECHNICAL DATA SHEET & MATERIAL COMPOSITION DECLARATION

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Product Category	Rolling Paper (Cigarette / Smoking Paper)	Revision	1.0

1. PRODUCT VARIANTS COVERED

Variant	Description	Grammage	Colour
Bleached White Rolling Paper	Ultra-thin smoking paper	13 GSM	White
Unbleached Brown Rolling Paper	Ultra-thin smoking paper	14 GSM	Natural Brown

2. MATERIAL COMPOSITION / INGREDIENTS

The following table lists the raw material composition of both rolling paper variants supplied by Ality Paper Industries Private Limited:

Component	Bleached White (13 GSM)	Unbleached Brown (14 GSM)
Wood Pulp	100%	100%
Hemp Pulp	Nil	Nil
Flax Pulp	Nil	Nil
Mineral Fillers / Ash	Nil	Nil
Dyes / Pigments / Colorants	Nil	Nil
Optical Brighteners	Nil	Nil

Note: The brown colour of the unbleached variant is the natural colour of unbleached wood pulp fibre. No dyes, pigments, or colorants are added during manufacturing.

3. PHYSICAL & QUALITY PARAMETERS

The following physical and quality parameters represent typical specification values for both rolling paper variants supplied by Ality Paper Industries Private Limited. Values are based on routine quality control testing performed by accredited laboratories.

Parameter	Unit	Typical Value	Tolerance / Range
Grammage (Bleached White)	g/m ²	13.0	12.0 – 13.5
Grammage (Unbleached Brown)	g/m ²	14.0	13.5 – 14.5
Thickness	µm	25	—
CD Tensile Strength	kN/m	0.52	Min. 0.50
MD Tensile Strength	kN/m	1.16	Min. 1.09

MD Elongation	%	1.1	Min. 1.0
D65 Brightness	%	20.0	Min. 19.7
Opacity	%	41.1	Max. 42.2
Porosity	CU	9.0	4.8 – 15.1
Ash Content	%	Nil	—
Moisture	%	5.0	3.0 – 6.0
Dirtiness (0.3 – 1.5 mm ²)	pec/m ²	0.0	—
Dirtiness (> 1.5 mm ²)	pec/m ²	0.0	—
Odor	—	None	—
Appearance Quality	—	OK	—
Overall Result	—	OK / Pass	—

Note: Ash content is reported as Nil, indicating the absence of mineral fillers (e.g. calcium carbonate / chalk) commonly added to ordinary papers. Dirtiness values of 0.0 pec/m² indicate a clean sheet free from visible specks or impurities. All values are subject to manufacturing tolerances as indicated.

4. HEAVY METALS — TEST RESULTS

Both variants have been tested by an accredited third-party laboratory for the presence of heavy metals. All listed heavy metals were found to be **Not Detected (ND)** above the method detection limits, for both bleached and unbleached variants.

Sl. No.	Heavy Metal	CAS Number	Result	Detection Limit
1	Antimony (Sb)	7440-36-0	Not Detected	10 mg/kg
2	Arsenic (As)	7440-38-2	Not Detected	10 mg/kg
3	Lead (Pb)	7439-92-1	Not Detected	10 mg/kg
4	Cadmium (Cd)	7440-43-9	Not Detected	10 mg/kg
5	Chromium (Cr)	7440-47-3	Not Detected	10 mg/kg
6	Cobalt (Co)	7440-48-4	Not Detected	10 mg/kg
7	Copper (Cu)	7440-50-8	Not Detected	10 mg/kg
8	Nickel (Ni)	7440-02-0	Not Detected	10 mg/kg
9	Mercury (Hg)	7439-97-6	Not Detected	10 mg/kg
10	Barium (Ba)	7440-39-3	Not Detected	10 mg/kg
11	Tin (Sn)	7440-31-5	Not Detected	10 mg/kg
12	Zinc (Zn)	7440-66-6	Not Detected	10 mg/kg
13	Selenium (Se)	7782-49-2	Not Detected	10 mg/kg
14	Iron (Fe)	7439-89-6	Not Detected	10 mg/kg
15	Manganese (Mn)	7439-96-5	Not Detected	10 mg/kg
16	Silver (Ag)	7440-22-4	Not Detected	10 mg/kg

Test Method: With reference to EN 16711-1:2015. Analysis performed by ICP-OES / ICP-MS / AAS.

ND (Not Detected): Indicates the analyte concentration is below the method detection limit.

5. SEAM ADHESIVE (EDGE GLUE) — COMPLIANCE

A water-soluble white adhesive is applied as a thin strip along the seam edge of the rolling paper to enable sealing of the finished product. The adhesive has been independently tested by an accredited third-party laboratory and complies with the European Union Restriction of Hazardous Substances Directive **2011/65/EU** and its amending directive **(EU) 2015/863** (RoHS 2 / RoHS 3).

Restricted Substance	Result	Detection Limit	Regulatory Limit
Lead (Pb)	Not Detected	2 mg/kg	1000 mg/kg
Cadmium (Cd)	Not Detected	2 mg/kg	100 mg/kg
Mercury (Hg)	Not Detected	2 mg/kg	1000 mg/kg
Hexavalent Chromium (Cr VI)	Not Detected	8 mg/kg	1000 mg/kg
Polybrominated Biphenyls (PBBs)	Not Detected	5 mg/kg	1000 mg/kg
Polybrominated Diphenyl Ethers (PBDEs)	Not Detected	5 mg/kg	1000 mg/kg
Dibutyl Phthalate (DBP)	Not Detected	50 mg/kg	1000 mg/kg
Benzyl Butyl Phthalate (BBP)	Not Detected	50 mg/kg	1000 mg/kg
Bis(2-ethylhexyl) Phthalate (DEHP)	Not Detected	50 mg/kg	1000 mg/kg
Diisobutyl Phthalate (DIBP)	Not Detected	50 mg/kg	1000 mg/kg

Test Methods: IEC 62321-5:2013 (Pb, Cd), IEC 62321-4:2013+AMD1:2017 (Hg), IEC 62321-7-2:2017 (Cr VI), IEC 62321-6:2015 (PBBs/PBDEs), IEC 62321-8:2017 (Phthalates). Analysis performed by ICP-OES, UV-Vis, and GC-MS as appropriate.

Conclusion: The seam adhesive complies with EU RoHS Directive 2011/65/EU and amendment (EU) 2015/863.

6. DECLARATION

Ality Paper Industries Private Limited hereby declares that the rolling paper variants described in this document conform to the material composition specified in Section 2, meet the physical and quality parameters listed in Section 3, are free from the heavy metals listed in Section 4 above their respective detection limits, and incorporate a seam adhesive compliant with EU RoHS as detailed in Section 5.

This declaration is based on test reports issued by accredited third-party laboratories and on raw-material certificates of analysis maintained on file by the Company. Supporting documentation can be made available on request, subject to confidentiality undertakings.

For Ality Paper Industries Private Limited

Date: 07 May 2026

Place: Pune, Maharashtra, India

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