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CHEMICAL ANALYSIS  
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NEWSTAR 新星®

## The company of special paper

Professional of special paper in more than 20 years

HANGZHOU SPECIAL PAPER INDUSTRY CO.,LTD.



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**NEWSTAR 新星®**

Located near the beautiful and affluent Fuchunjiang River in the Suburban area of Hangzhou, Hangzhou Special Paper Industry Co., Ltd has a registered capital of 35 million, more than 500 staffs, and eight paper-making production lines of high technology. With strong and unique technology in paper-making and advanced equipments, our company produces special papers like: qualitative filter paper, quantitative filter paper, chromatographic filter paper, oil filter paper, automotive filter paper, vulcanized fiber paper, pH test paper, lens cleaning tissue, silk flower paper, and seed germination paper, etc. Our products are widely applied to fields like scientific research, industry, agriculture, medicine and sanitation, environmental protection, insulation, and grinding discs, etc. Our company was titled as a new high-tech enterprise of Zhejiang Province, and added into the list of SMES key fast growing enterprises of Hangzhou City and Zhejiang Province, and high-tech SMES of Zhejiang Province. The company places great emphasis on product development, has all kinds of more than 70 patents and recognized by customers.

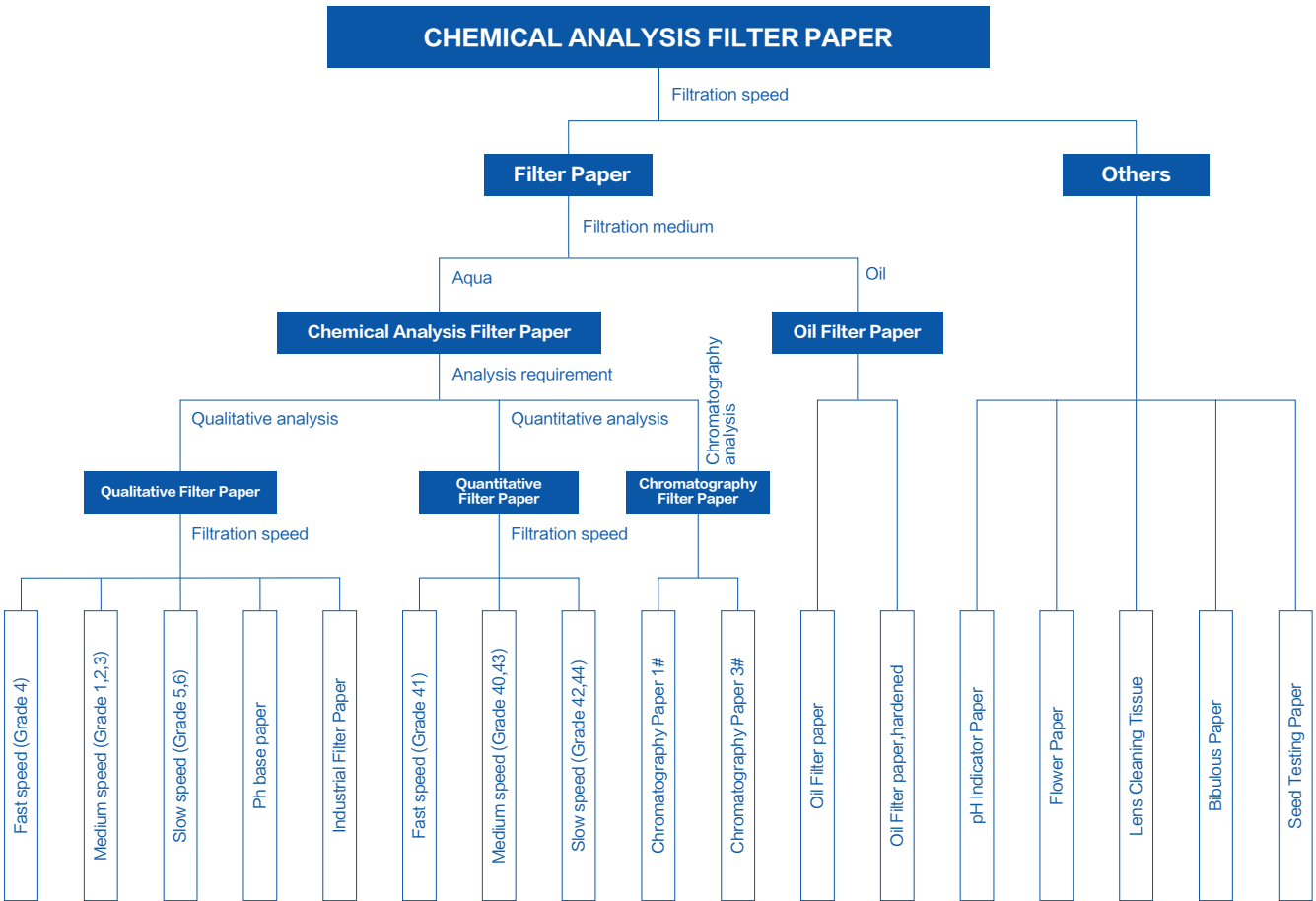


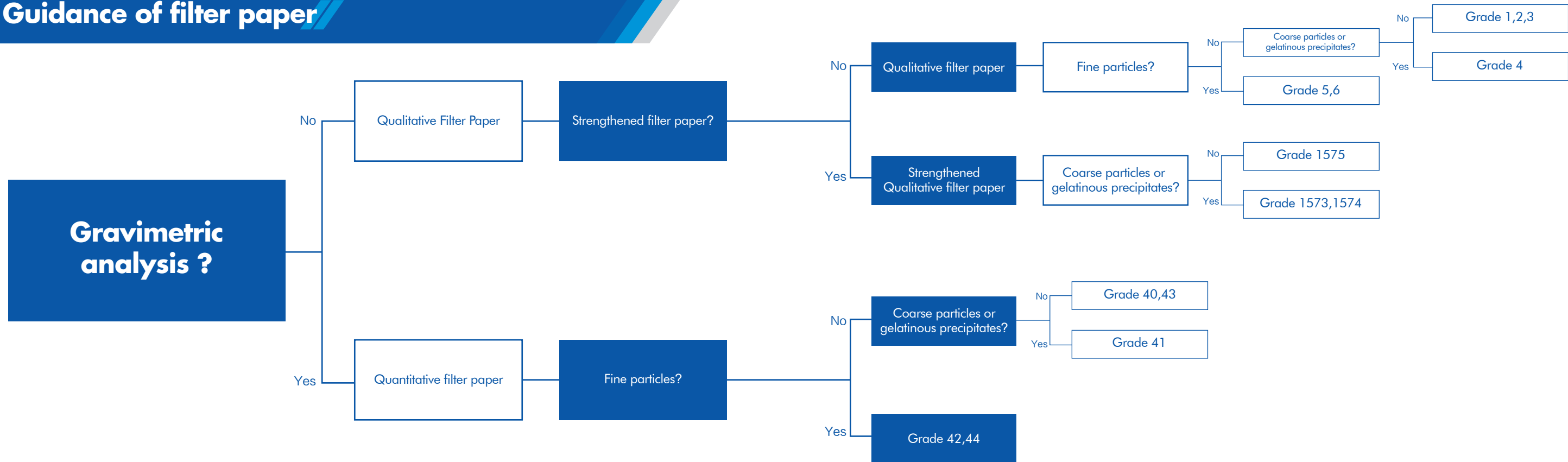
- National high-tech enterprises
- High new technology key enterprise of national torch plan
- 3 programs of national torch project
- 17 programs of rovincial level new product
- Leading establish 5 industry standards
- Participating in establish 23 industry standards
- 17 national invention patents
- 50 utility model patents
- Advantage enterprise of state intellectual property

HANGZHOU SPECIAL PAPER INDUSTRY CO.,LTD.



# Chemical Analysis Filter Paper





# Qualitative Filter Paper



“New Star” qualitative filter papers are made of 100 % linter cotton, manufactured by modern paper-making technology. This kind of filter paper is generally used for qualitative analysis and solid-liquid separation. The quality of the filter paper is reliable and stable based on extensive research in more than 20 years.

## APPLICATIONS

1. Qualitative analysis pretreatment;
2. Filtration of precipitates, such as ferric hydroxide, lead sulphate, calcium carbonate;
3. Seed testing and soil analysis.

Specification	Grade	Speed	Particle retention $\mu\text{m}$	Flow rate <sup>①</sup> s	Thickness mm	Basis weight g/m <sup>2</sup>	Wet Burst <sup>②</sup> mm H <sub>2</sub> O	Ash< %
	1	Medium	11	40-50	0.18	87	260	0.15
	2	Medium	8	55-60	0.21	103	290	0.15
	3	Medium-slow	6	80-90	0.38	187	350	0.15
	4	Very fast	20-25	15-20	0.21	97	260	0.15
	5	Very slow	2.5	250-300	0.19	99	350	0.15
	6	Slow	3	90-100	0.18	102	350	0.15

① Filtration speed is the time for filtering 10ml ( 23 ± 1℃ ) distilled water through 10cm<sup>2</sup> filter paper. ② Wet Bursting Strength is measured by wet bursting strength instrument LSY-100.

Ordering information	Grade	Size (cm)	Packing
	1, 2, 3, 4, 5, 6	60x60 46X57 Φ7、Φ9、Φ11、Φ12.5、Φ15、Φ18、Φ18.5、Φ24	60x60 Sheet :100sheets/pack, 10packs/CTN Circle :100circles/pack, 50packs/CTN

Sheets and rolls with custom-made size are available.

# Quantitative Filter Paper



“New Star” quantitative filter papers are applied to quantitative analysis. The ashless grade paper is made of linter cotton with α-cellulose content close to 100 %. This kind of filter paper is washed by acid solution to remove the impurities in the paper. The ash content is less than 0.01 %. The quality of the filter paper is reliable and stable based on extensive research in more than 20 years.

## APPLICATIONS

1. Precise quantitative analysis;
2. Liquid purification;
3. Analysis of separation air or water.

Specification	Grade	Speed	Particle retention $\mu\text{m}$	Flow rate <sup>①</sup> s	Thickness mm	Basis weight g/m <sup>2</sup>	Wet Burst <sup>②</sup> mm H <sub>2</sub> O	Ash< %
	40	Medium	8	80-90	0.21	95	280	0.01
	41	Fast	20	20-30	0.22	85	280	0.01
	42	Slow	2.5	200-240	0.2	100	280	0.01
	43	Medium- fast	16	40-60	0.22	95	280	0.01
	44	Medium- slow	3	150-180	0.18	77	280	0.01

① Filtration speed is the time for filtering 10ml ( 23 ± 1℃ ) distilled water through 10cm<sup>2</sup> filter paper. ② Wet Bursting Strength is measured by wet bursting strength instrument LSY-100.

Ordering information	Grade	Size (cm)	Packing
	40,41,42,43,44	Φ7、Φ9、Φ11、Φ12.5、Φ15、Φ18	100sheets/pack, 50packs/CTN

Sheets and rolls with custom-made size are available.



## Chromatography Paper



Chromatography paper is made by high-quality and high-grade cotton with strict quality Control in the production process. Chromatography paper is suitable for chromatographic analysis in many life science laboratory.

Specification	Product Name	Basis Weight(g/m <sup>2</sup> )	Size (cm)	Packing
	Chromatographic Filter Paper 1#	100 ± 4	60x60	100sheets/pack 10packs/CTN
	Chromatographic Filter Paper 3#	180 ± 5	60x60	

Sheets and rolls with custom-made size are available.

## Base Paper of pH Paper

Base Paper of pH paper is made of pure cotton, produced by modern paper-making technology. This base paper has good adsorption capacity and dispersion, suitable for manufacturing various types of testing paper, such as pH paper, lead acetate paper, ammonia nitrogen testing paper.

Technical Indicators	Product Name	Basis Weight (g/m <sup>2</sup> )	Filter Speed(s) <sup>①</sup>	Wet Bursting Strength (Kpa) <sup>②</sup>	Water extraction pH <sup>③</sup>	Packing
	Base Paper of pH Paper	80 ± 4	50-60	> 140	5-8	According to customers request

① Filter speed: The time for filtering 10cm<sup>2</sup> filter paper through 100ml ( 23 ± 1℃ ) distilled water.    ② Wet bursting strength is measured by wet bursting strength instrument LSY-100.

③ Water extraction pH: Represents the acidity and alkalinity of the paper.    Sheets and rolls with custom-made size are available.

## Industrial Filter Paper

Industrial filter paper is made of a mixture of pure cotton and wood pulp, specially designed for industrial applications. The industrial filter paper is available on request. Feel free to contact us for an offer.

Technical Indicators	Product Name	Basis Weight (g/m <sup>2</sup> )	Filtration Speed(s) <sup>①</sup>	Wet Bursting Strength (Kpa) <sup>②</sup>	Ash Content ( < % )	Size (cm)	Packing
	Industrial Filter Paper	80 ± 4	35-70 (Contain)	140	0.15	60x60	100sheets/pack 10packs/CTN

① Filtration speed is the time for filtering 10ml ( 23 ± 1℃ ) distilled water through 10cm<sup>2</sup> filter paper.    ② Wet bursting strength is measured by wet bursting strength instrument LSY-100.



# Seed Testing Paper



Seed testing paper is made of high quality cotton, used in germination tests of seed specimen to improve seed growth and growth velocity.

Ordering Information	Product Name	Size (cm)	Packing
	Seed Testing Paper	11.5×11.5 19×13 60×60	11.5x11.5 19x13 6000pieces/CTN 60x60 100pieces/pack 10packs/CTN

Other sheet sizes and rolls available upon request.

# Flower Paper



Flower paper is a soft paper with high dyeing performance, mainly used for manufacturing paper flowers and other paper crafts with various colors.

Ordering Information	Product Name	Basis Weight(g/m²)	Size (cm)	Packing
	Flower Paper	62±2 80±4 98±4 118±4	60x60 60x120	100sheets/pack 10packs/CTN

Sheets and rolls with custom-made size are available.

# Oil Filter Paper



Oil filter paper is made of high-grade cotton and wood pulp, which is mainly used in petrochemical, crude oil and other fields.

APPLICATIONS

- 1. Transformer oil, capacitor oil, mechanical oil and hydraulic oil filter;
- 2. Eefinery refining lubricants, vaseline and waste oil regeneration filter;
- 3. Insulation paint, dyes and fine chemical filtration.

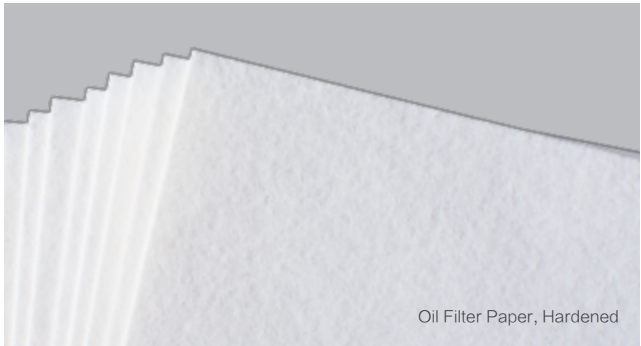
Specification	Product Name	Basis Weight(g/m²)	Filtration Speed(s) <sup>①</sup>	Wet Bursting Strength (≥mmH <sub>2</sub> O) <sup>②</sup>	Water extraction pH <sup>③</sup>
	Oil Filter Paper	275 ± 5	30-40	> 200	5-8

① Filtration speed is the time for filtering 10ml ( 23 ± 1℃ ) distilled water through 10cm² filter paper.   ② Wet bursting strength is measured by wet bursting strength instrument LSY-100.  
③ Water extraction pH: Represents the acidity and alkalinity of the paper.

Ordering Information	Product Name	Size (cm)	Packing
	Oil Filter Paper	30 × 30、40 × 40、50 × 50、60 × 60、 70 × 70、80 × 80、90 × 90、100 × 100、 110 × 110、120 × 120	1. 30 × 30、40 × 40、50 × 50   100 sheets/pack, 500 sheets/CTN 2. 60 × 60、70 × 70、80 × 80、90 × 90、100 × 100 100 sheets/pack, 400 sheets/CTN 3. 110 × 110、120 × 120   100 sheets/pack, 300 sheets/CTN

Sheets and rolls with custom-made size are available.

# Oil Filter Paper, Hardened



The hardened oil filter paper is based on the original oil filter paper. The wet bursting strength is improved to be used at high pressure and harsh environments.

APPLICATIONS

- 1. Plate and frame filter press
- 2. High pressure filtration

Specification	Product Name	Basis Weight(g/m²)	Filtration Speed(s) <sup>①</sup>	Wet Bursting Strength (≥mmH <sub>2</sub> O) <sup>②</sup>	Water extraction pH <sup>③</sup>
	Oil Filter Paper Hardened	275 ± 5	50-60	> 700	5-8

① Filtration speed is the time for filtering 10ml ( 23 ± 1℃ ) distilled water through 10cm² filter paper.   ② Wet bursting strength is measured by wet bursting strength instrument LSY-100.  
③ Water extraction pH: Represents the acidity and alkalinity of the paper.

Ordering Information	Product Name	Size (cm)	Packing
	Oil Filter Paper Hardened	61x63	100sheets/pack, 4packs/CTN

Sheets and rolls with custom-made size are available.

## Lens Cleaning Tissue



Lens Cleaning Tissues provide a solution to safely remove moisture and grease from lenses or optical surfaces. Soft texture will not damage lenses or optical surfaces and leaves no fibers. High absorbency leads to increased safety upon removal of surface moisture and grease.

Ordering Information	Product Name	Basis Weight(g/m <sup>2</sup> )	Size (cm)	Packing
	Lens Cleaning Tissue	11 ± 2	10 × 15    8.5 × 11	100sheets/pack, 200packs/CTN

Sheets and rolls with custom-made size are available.

## Bibulous Paper



Bibulous paper is made of high quality wood pulp, which is ideal for drying small parts and components, and especially for drying slides in biological, pathological and bacteriological laboratories.

### APPLICATIONS

1. Coaster paper production;
2. Water absorption in laboratory;
3. Production of environmental friendly fiber drier.

Specification	Product Name	Model	Basis Weight(g/m <sup>2</sup> )	Thickness(mm)	Water absorption(g/m <sup>2</sup> ) <sup>①</sup>
	Bibulous Paper	A04	240 ± 15	0.4 ± 0.05	—
		A06	330 ± 20	0.5 ± 0.05	—
		B08	380 ± 25	0.75 ± 0.05	—
		G07	260 ± 20	0.6 ± 0.05	650–750
		E04	110 ± 10	0.4 ± 0.05	450–600
		F10	410 ± 30	1.0 ± 0.05	1000–1300
		A102	80 ± 4	0.18 ± 0.03	150–250

① Absorption in area: at room temperature, put the paper in distilled water for 2 min, then vertically drying for 30 s, measure the weight of the paper.

Ordering Information	Product Name	Size (cm)	Packing
	Bibulous Paper	Wide 35cm reel	40cm drum diameter

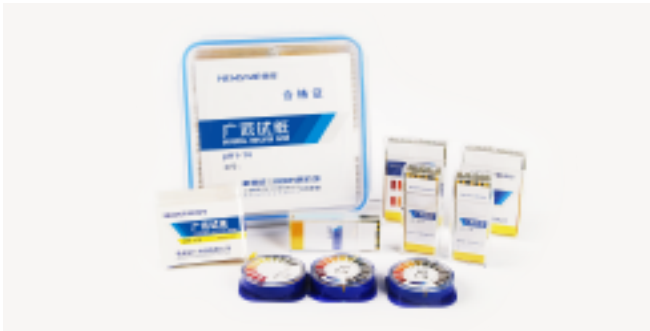
Other sheet sizes and rolls available upon request.

# Universal indicator paper

Universal indicator paper is used to measure pH value (1–14) of solutions. The pH interval is 1. Universal indicator paper is widely applied to test the pH of acidic, neutral and basic solutions. The application areas cover research, environment protection, Food safety, medicine, health, military, electric industry, petrochemistry, agriculture and many other manufacture area.

| Application area |

- 1. pH measurement in laboratory;
- 2. pH measurement in process control in industry;
- 3. pH measurement in daily life.



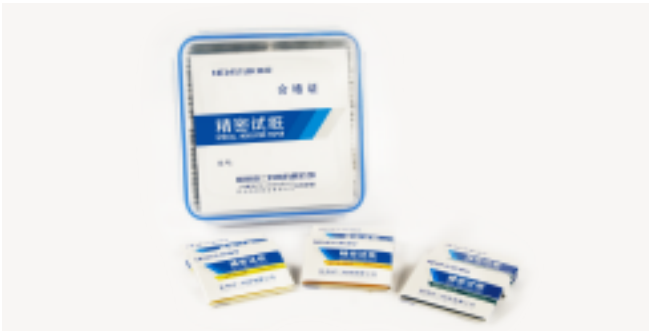
Specification	Product name	pH range	Sensitivity (pH interval)	Packing
	Universal indicator paper	pH 1–14	1	Book
	Universal indicator paper (Grade H)	pH 1–14	1	Book
	Universal indicator paper (5 m reel)	pH 1–14	1	Round box
	Universal indicator strip (100 strips)	pH 1–14	1	Small square box
	Universal indicator strip (200 strips)	pH 1–14	1	Big square box
	Universal indicator strip (four colors, 100 strips)	pH 1–14	1	Square box
	Universal indicator paper (5 m reel)	pH 0–14	1	Round box
	Universal indicator strip (100 strips)	pH 0–14	1	Small square box
	Universal indicator strip (200 strips)	pH 0–14	1	Big square box
	Universal indicator paper (5 m reel)	pH 0–11	1	Round box
	Universal indicator paper (5 m reel)	pH 1–10	1	Round box
	Universal indicator strip (10 strips)	pH 4–7	1	Bag

# Special indicator paper

Special indicator paper is used to measure pH value of solutions in a narrower range than universal indicator paper. The pH interval is commonly 0.2 or 0.5. Special indicator paper is widely applied to test the pH of acidic, neutral and basic solutions. The application areas cover research, environment protection, Food safety, medicine, health, military, electric industry, petrochemistry, agriculture and many other manufacture area.

| Application area |

- 1. pH measurement in laboratory;
- 2. pH measurement in process control in industry;
- 3. pH measurement in daily life.



Specification	Product name	pH range	Sensitivity (pH interval)	Packing
	Special indicator paper	pH 0.5–5.0	0.5	Book
	Special indicator paper	pH 3.8–5.4	0.2–0.3	Book
	Special indicator paper	pH 5.4–7.0	0.2–0.3	Book
	Special indicator paper	pH 5.5–9.0	0.5	Book
	Special indicator paper	pH 6.4–8.0	0.2–0.3	Book
	Special indicator paper	pH 1.4–3.0	0.2–0.3	Book
	Special indicator paper	pH 8.2–10	0.2–0.3	Book
	Special indicator paper	pH 9.5–13	0.5	Book
	Special indicator paper	pH 2.7–4.7	0.4	Book
	Special indicator paper	pH 6.9–8.4	0.3	Book
	Special indicator paper (type H)	pH 0.5–5.0	0.5	Book
	Special indicator paper (type H)	pH 3.8–5.4	0.2–0.3	Book
	Special indicator paper (type H)	pH 5.5–9.0	0.5	Book
	Special indicator paper (type H)	pH 6.4–8.0	0.2–0.3	Book
	Special indicator paper (100 strips)	pH 0.5–5.0	0.5	Small square box
	Special indicator paper (100 strips)	pH 3.8–5.4	0.2–0.3	Small square box
	Special indicator paper (100 strips)	pH 5.5–9.0	0.5	Small square box

# Diagnostic Test Paper



Specification	Product name	Application	Packing
	Daily test strip (two colors, 100 strips, pH 4.0–9.0)	Measure pH values of saliva, urine, drinking water, cosmetics and vaginal discharge	Square box
	Special sensitive test paper (pH 4.5–7.5)	Measure pH values of weak acid and weak base with high sensitivity (0.2 pH interval)	Special packing
	Body fluid test paper (100 strips)	Measure pH value of specific humor to indicate inflammation conditions	Small square box
	Saliva test paper (100 strips)	Measure pH value of saliva	Small square box
	Methyl violet paper (100 strips)	Detect free acid mine in light-color vinegar	Big square box
	Thymol blue paper (100 strips)	Detect free acid mine in dark-color vinegar	Small square box
	Lead acetate paper (100 strips)	Detect hydrogen sulphide	Small square box
	Turmeric test paper (100 strips)	Detect boric acid and boric salt	Small square box
	Phenolphthalein paper (100 strips)	Measure basicity and detect ammonia	Small square box

# Special Test Paper



Specification	Product name	Application	Packing
	Chloride test paper, 10–2000 ppm (5 m reel)	Measure active chloride in aqueous solution	Round box
	Chloride test paper; 10–2000 ppm (100 strips)	Measure active chloride in aqueous solution	Small square box
	Chloride test paper, 50–2000 ppm (100 strips)	Measure active chloride in aqueous solution	Small square box
	Residual chlorine paper (50 strips), 0–10 ppm	Measure trace amount of active chloride in aqueous solution	Bottle
	Residual chlorine paper (50 strips), 0–25 ppm	Measure trace amount of active chloride in aqueous solution	Bottle
	Litmus paper red (100 strips)	Measure basicity of solutions, turn blue in basic solutions	Small square box
	Litmus paper red (200 strips)	Measure basicity of solutions, turn blue in basic solutions	Big square box
	Litmus paper red (5 m, reel)	Measure basicity of solutions, turn blue in basic solutions	Round box
	Litmus paper red	Measure basicity of solutions, turn blue in basic solutions	Book
	Litmus paper blue (100 strips)	Measure acidity of solutions, turn red in acidic solutions	Small square box
	Litmus paper blue (200 strips)	Measure acidity of solutions, turn red in acidic solutions	Big square box
	Litmus paper blue (5 m, reel)	Measure acidity of solutions, turn red in acidic solutions	Round box
	Litmus paper blue	Measure acidity of solutions, turn red in acidic solutions	Book
	Litmus paper neutral (100 strips)	Measure basicity or acidity of solutions, turn blue in basic solutions and turn red in acidic solutions	Small square box
	Litmus paper neutral (200 strips)	Measure basicity or acidity of solutions, turn blue in basic solutions and turn red in acidic solutions	Big square box
	Litmus paper neutral (5 m, reel)	Measure basicity or acidity of solutions, turn blue in basic solutions and turn red in acidic solutions	Round box
	Congo red paper (100 strips)	Measure strong acid, pH 3.0 (purple blue)– pH 5.2 (red)	Small square box
	Potassium iodine starch paper (100 strips)	Detect chloride, active chloride, diazo-coupling between nitrite and diazo	Small square box
	Cobalt chloride paper (100 strips)	Detect moisture, turn red in moisture and turn blue in dry condition	Small square box
	Phenol red paper (100 strips)	Measure weak basicity and weak acidity in water and solutions	Small square box
	Methyl orange paper	Measure acidity in water and solutions	Small square box