



**HS-801A** ultra fine & super whiteness calcined kaolin

**Product name** HS-801A Ultra Fine & Super White Calcined Kaolin

**Character and Performance**

Very fine particle size with distribution in narrow range, and little residue on 325 mesh;

Super whiteness, good light dispersion and high opacity;

Great dispersibility, fluidity and chemical stability, never react with other solvents;

Good suspending against sedimentation, used as an extender of titanium dioxide.

It can improve the properties of paints such as scrub endurance, abrasion endurance, climate resistance and stability during storage. It is especially necessary in making the paints of low VOC and high solid content.

**Application** High-quality paints such as latex paint, powder coating, oily paint, etc.

**Physical Specification**

Specification	HS-801A
Whiteness (%)	≥ 93.5
Particle size (-2μm, %)	80-84
Residue on 325 mesh (%)	≤ 0.003
Oil absorbency (g/100g)	55-65
pH	6.0-8.0
Water content (%)	≤ 1.0
Average particle size (μm)	≤ 0.9
Refractivity	1.62
Desperdibility (μm)	≤ 45
Specific Gravity(g/m3)	<b>2.65g/cm<sup>3</sup></b>

**Chemical Specification**

SiO <sub>2</sub> (%)	Al <sub>2</sub> O <sub>3</sub> (%)	Fe <sub>2</sub> O <sub>3</sub> (%)	TiO <sub>2</sub> (%)	CaO (%)	MgO (%)	K <sub>2</sub> O (%)	Na <sub>2</sub> O (%)	MnO (%)
52 ± 2	45 ± 2	≤ 0.5	≤ 0.8	< 0.5	< 0.3	< 0.1	< 0.2	< 0.004



## **HS-901A** ultra fine & super whiteness calcined kaolin

**Product name** HS-901A Ultra Fine & Super White Calcined Kaolin

**Character and Performance** The crystal is in laminar structure of pseudo-hexagonal kaolinite platelets. Super fine particle with narrow distribution, little residue on 325 mesh, and low abrasion;  
Great whiteness, covering power and light dispersion;  
An excellent extender of titanium dioxide;  
The coating containing HS-901A has good performance in water-preserving, fluidity, viscosity and solid content. It can improve the property of paper such as whiteness, smoothness, opacity, ink absorbency, printability and luster.

**Application** High-quality paper-making such as light-weight coated paper, coated art paper and paper board, etc.

### **Physical Specification**

Specification	HS-901A
Whiteness (%)	≥ 94
Particle size (-2μm, %)	88-92
Residue on 325 mesh (%)	≤ 0.003
Oil absorbency (g/100g)	63-73
pH	6.0-8.0
Water content (%)	≤ 1.0
Abrasion (mg/2000 times)	≤ 3.3
Refractivity	1.62

### **Chemical Specification**

SiO <sub>2</sub> (%)	Al <sub>2</sub> O <sub>3</sub> (%)	Fe <sub>2</sub> O <sub>3</sub> (%)	TiO <sub>2</sub> (%)	CaO (%)	MgO (%)	K <sub>2</sub> O (%)	Na <sub>2</sub> O (%)	MnO (%)
52 ± 2	45 ± 2	≤ 0.5	≤ 0.8	< 0.5	< 0.3	< 0.1	< 0.2	< 0.004



**Product name** HS-901B Ultra Fine & Super White Calcined Kaolin

**Character and Performance** The crystal is in laminar structure of pseudo-hexagonal kaolinite platelets. Super fine particle with narrow distribution, little residue on 325 mesh, and low abrasion;  
Great whiteness, tinting strength, light dispersion, fluidity and viscosity;  
Excellent extender of titanium dioxide for improving its performance;  
The coating containing HS-901B has good performance in water-preserving, fluidity, viscosity. It can improve the property of paper such as whiteness, smoothness, opacity, ink absorbency, printability and luster, especially the whiteness and ink absorbency.

**Application** Medium-quality paper-making such as thermal sensitive paper, decorating paper, coated paper and paper board, etc.

**Physical Specification**

Specification	HS-901B
Whiteness (%)	≥ 93.5
Granularity (-2μm, %)	85-88
Residue on 325 mesh (%)	≤ 0.004
Oil absorbency (g/100g)	60-70
pH	6.0-8.0
Water content (%)	≤ 1.0
Abrasion (mg/2000 times)	≤ 3.3
Refractivity	1.62

**Chemical Specification**

SiO <sub>2</sub> (%)	Al <sub>2</sub> O <sub>3</sub> (%)	Fe <sub>2</sub> O <sub>3</sub> (%)	TiO <sub>2</sub> (%)	CaO (%)	MgO (%)	K <sub>2</sub> O (%)	Na <sub>2</sub> O (%)	MnO (%)
52 ± 2	45 ± 2	≤ 0.5	≤ 0.8	< 0.5	< 0.3	< 0.1	< 0.2	< 0.004