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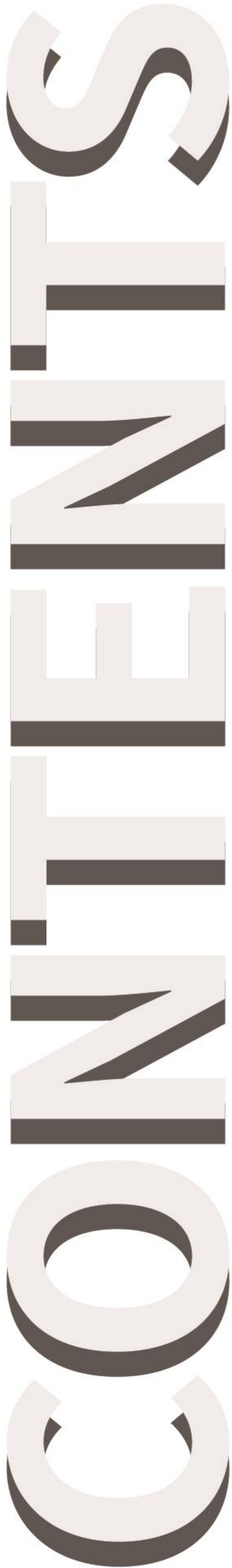
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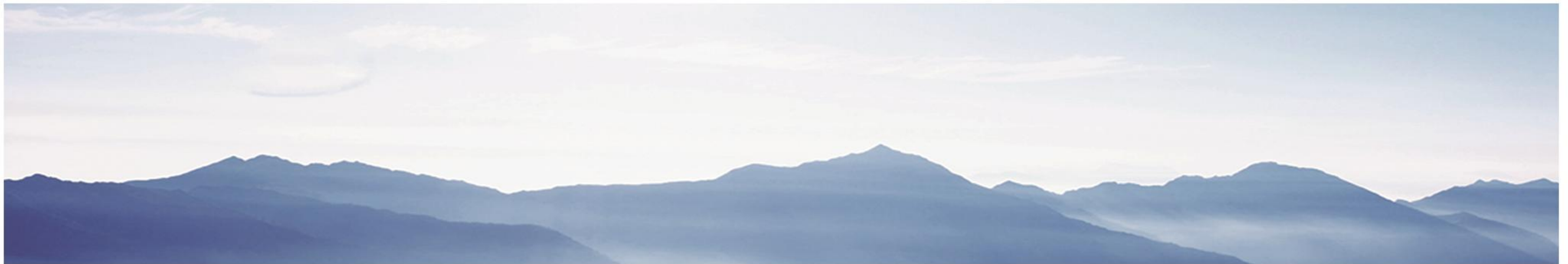
ACTIVATED
CARBON

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COMPANY INTRODUCTION



Chengde Jibei Yanshan Activated Carbon Co., Ltd

Chengde Jibei Yanshan Activated Carbon Co., Ltd., located in the northeastern part of Hebei Province, China, is a modern activated carbon production enterprise integrating R&D, production, and sales.

Established in 1988, we have amassed extensive production experience and embraced advanced technologies. Our factory covers a total area of approximately 30,000 square meters. Equipped with advanced production equipment, we also adhere to a strict management system. Our commitment is to offer customers top-notch activated carbon products and comprehensive solutions.

The company has successfully passed the ISO 9001:2015 Quality Management System Certification. Additionally, we hold the "Sanitation License Approval for Domestic Drinking Water Sanitation and Safety Products" issued by the Health Commission of Hebei Province.

Our factory mainly produces coconut shell activated carbon, nut shell activated carbon, wood-based activated carbon, and coal-based activated carbon. These products are widely used across a range of industries, including food and beverage, biomedicine, petrochemicals, gold extraction, metallurgy, and semiconductors. They perform particularly well in the fields of gold extraction, water purification, air purification, decolorization, and refinement. Moreover, Chengde Jibei Yanshan Activated Carbon Co., Ltd. has been authorized by Purolite (China) as a distributor of Purolite Resins.

Our activated carbon products and services have earned strong trust from customers at home and abroad.

Upholding the core concept of "Integrity, Innovation, and Mutual Benefit" and the fundamental operating principle of "Surviving by Quality", we constantly strive for development and innovation, aiming to create greater value for our customers. We sincerely look forward to collaborating with industry partners worldwide to build a better future together.

Hot Products

Coconut Shell Gold Extraction Activated Carbon YS-28



- ◆**Raw Material & Process:** Made from specially activated coconut shells sourced from Southeast Asia, engineered specifically for gold recovery.
- ◆**Features:** Outstanding gold ion adsorption capacity, high hardness, and low attrition even under harsh extraction conditions.
- ◆**Advantages:** High metal adsorption capacity, excellent wear resistance, low ash content, and low loss rate.
- ◆**Applications:** Widely applied in CIP (Carbon-In-Pulp) and CIL (Carbon-In-Leach) gold extraction processes for mining and smelting operations.

Item	unit	GradeA	GradeB
Specification6-12mesh	%	≥97	≥93
Iodine Adsorption Value	mg/g	≥1000	≥900
Abrasive resistance	%	≥99	≥98
Loss on Drying	%	≤10	≤10
Packed Density	g/ml	0.48-0.55	0.48-0.55
Ash	%	≤5	≤5
Carbon Tetrachloride CTC	%	50	40

Coconut Shell Water Purification Activated Carbon YS-11



- ◆**Raw Material & Process:** Made from high-quality imported coconut shells, and processed via high-temperature, carbonization, and steam activation processes.
- ◆**Features:** Boasts a highly developed microporous structure and an ultra-high specific surface area, which is optimized for removing residual chlorine, organic compounds, odors, and heavy metals (e.g., lead, mercury).
- ◆**Advantages:** Excellent abrasion resistance, high adsorption capacity, and long service life.
- ◆**Applications:** Suitable for water purification, including filtered water, pure water, and ultrapure water, as well as the chemical, food & beverage, pharmaceutical, and semiconductor industries.

Item	Unit	Grade A	Grade B
Specification 8-30mesh	%	≥96	≥93
Iodine Adsorption Value	mg/g	≥900	≥800
Methylene Blue Adsorption Rate	mg/g	≥135	≥105
Strength	%	≥94	≥90
Moisture	%	≤10	≤10
Ash Content	%	≤5	≤5
Apparent Density	g/ml	0.40-0.5	0.40-0.5
PH Value		6-8	6-8

Hot Products

Apricot Shell Water Purification Activated Carbon YS-12



- ◆**Raw Material & Process:** Produced from apricot shells via high-temperature, carbonization, activation , and screening processes.
- ◆**Features:** Boasts an advanced pore structure, enabling effective removal of odors, chlorine, phenols, and heavy metals/toxins such as mercury, lead, arsenic, and cyanide.
- ◆**Advantages:** High cost-effectiveness, all-natural raw materials, and stable pricing.
- ◆**Applications:** An ideal material for water purification, suitable for household water filters, commercial water treatment systems, and small-scale purification equipment.

Item	Unit	Grade A	Grade B
Specification 8-30mesh	%	≥96	≥93
Iodine Adsorption Value	mg/g	≥900	≥800
Methylene Blue Adsorption Rate	mg/g	≥135	≥105
Strength	%	≥94	≥90
Moisture	%	≤10	≤10
Ash Content	%	≤5	≤5
Apparent Density	g/ml	0.40-0.5	0.40-0.5
PH Value		6-8	6-8

Coal-based Pelletized Activated Carbon YS-14



- ◆**Raw Material & Process:** Made from high-quality coal with meticulous processing via g rinding, bonding, high-pressure extrusion, and activation.
- ◆**Features:** Large specific surface area, well-developed pores, excellent adsorption, high mechanical strength, and easy regeneration.
- ◆**Advantages:** Stable performance, high cost-effectiveness, and wide adaptability to scenarios.
- ◆**Applications:** Gas purification, water treatment, and catalyst carrier.

Index	unit	Φ4mm	Φ6mm	Φ8mm
Iodine Adsorption Value	mg/g	900-1000	900-1000	900-1000
Hardness	%	≥90	≥90	≥90
Loss on Drying	%	≤5	≤5	≤5
Ignition Residue	%	8-15	8-15	8-15
Carbon Tetrachloride	%	50 - 70	50 - 70	50 - 70
Apparent Density	g/l	450 - 550	450 - 550	450 - 550
PH Value		8 - 10	8 - 10	8 - 10

Granular Activated Carbon (GAC)

Coconut Shell Air Purification Activated Carbon YS-17



- ◆Raw Material & Process: Made from high-quality coconut shells, and refined with various chemical agents.
- ◆Features: Impregnated structure.
- ◆Advantages: Effectively adsorbs a wide range of air pollutants such as odors, toxic substances, and various harmful gases.
- ◆Applications: Widely used in industrial gas treatment as well as in equipment like air purifiers, filters, air conditioners, and refrigerators.

Item	Unit	Index
Specification 4 - 10 mesh; 8 - 16 mesh	%	≥90
Iodine adsorption value	mg/g	≥1000
Strength	%	≥95
Moisture	%	≤10
Apparent density	g/ml	0.45 - 0.55
Removal rate of harmful gases in normal indoor environment	%	95

Apricot Shell Air Purification Activated Carbon YS-17A



- ◆Raw Material & Process: Made from high-quality apricot shells, and refined with various chemical agents.
- ◆Features: Impregnated structure.
- ◆Advantages: Effectively adsorbs a wide range of air pollutants such as odors, toxic substances, and various harmful gases.
- ◆Applications: Widely used in industrial gas treatment as well as in equipment like air purifiers, filters, air conditioners, and refrigerators.

Item	Unit	Index
Specification 4 - 10 mesh; 8 - 16 mesh	%	≥90
Iodine adsorption value	mg/g	800-900
Strength	%	≥94
Moisture	%	≤10
Apparent density	g/ml	0.45 - 0.5
Removal rate of harmful gases in normal indoor environment	%	95

Granular Activated Carbon (GAC)

Electronic Ultra-pure Water Purification Activated Carbon YS-18



- ◆Raw Material & Process: Made from high-quality coconut shells raw materials through the following process: carbonization, activation, deep cleaning to remove impurities, and screening.
- ◆Features: High mechanical strength, fast adsorption speed, and strong adsorption capacity.
- ◆Advantages: Effectively removes harmful substances in water, including trace organic impurities, residual chlorine, and metal ions.
- ◆Applications: Used for ultra-pure water purification in the electronics industry, especially to meet the strict water quality requirements of electronic component production of semiconductor manufacturing and integrated circuit processing.

Item	Unit	Index
Specification 8 - 30 mesh	%	≥96
Iodine adsorption value	mg/g	≥1050
Abrasion resistance	%	≥98
Loss on ignition	%	≤3
Apparent density	g/ml	0.42 - 0.50
Loss on drying	%	≤10
PH value	-	6-8

Apricot Shell Gold-adsorbing Activated Carbon YS-20



- ◆Raw Material & Process: Manufactured from premium apricot shells via precision processing and activation (a key step for gold adsorption performance).
- ◆Features: Uniform particle size, well-developed porosity, strong gold ion adsorption capacity, and high abrasion resistance.
- ◆Advantages: High cost-effectiveness, all-natural materials, and stable pricing.
- ◆Applications: Widely used in heap leaching gold recovery, gold tailings treatment (for residual gold recovery), and organic solvent recovery.

Item	unit	GradeA	GradeB
Specification 4-8mesh	%	≥95	≥93
Iodine Adsorption Value	mg/g	≥900	≥800
Strength	%	≥96	≥96
Ash content	%	≤5	≤5
Apparent density	g/ml	0.45-0.5	0.5-0.5

Granular Activated Carbon (GAC)

Coal-based Granular Activated Carbon YS-27



- ◆Raw Material & Process: Made from high-quality coal processed via raw material pretreatment, molding, carbonization, activation, and precision screening
- ◆Features: Wide particle size range, strong adsorption capacity, high mechanical strength.
- ◆Advantages: Versatile for diverse scenarios (gas treatment, catalyst support, water purification, etc.).
- ◆Applications: Recovery and purification of gaseous substances; catalyst support; solvent recovery; water purification treatment; manufacturing of filter elements and activated carbon rods.

Item	unit	8-30mesh
Iodine Adsorption Value	mg/g	800-1000
Strength	%	≥90
Moisture	%	≤5
Methylene Blue Adsorption Rate	mg/g	≥120
Phenol adsorption	mg/g	50-70
Apparent density	g/l	450-550
pH Value		6-8

Coal-based Crushed Activated Carbon YS-27C



- ◆Raw Material & Process: High-quality coal is used as the raw material, with the production process including grinding, bonding, high-pressure extrusion, activation, hydrochloric acid impregnation, and water washing.
- ◆Features: Features a large specific surface area, well-developed pore structure, excellent adsorption performance, high mechanical strength, and easy regeneration.
- ◆Advantages: Strong adsorption efficiency, durable in use, and high cost-effectiveness.
- ◆Applications: Suitable for gas purification and water treatment.

Item	Unit	Grade C	Grade B	Grade A
Iodine Adsorption Value	mg/g	≥950	≥1000	≥1050
Strength	%	≥90	≥90	≥90
Wet Granule Density	g/cm³	≤1.5	≤1.5	≤1.5
Bulk Density	g/L	450 - 500	450 - 500	420 - 500
Ash Content	%	≤5	≤5	≤5
Moisture	%	≤10	≤10	≤10
Methylene Blue Adsorption Value	mg/g	≥180	≥180	≥180
Specific Surface Area	m²/g	≥950	≥1000	≥1050
Regeneration Capacity	%	≥85	≥85	≥85
PH Value	-	6-8	6-8	6-8
Uneven Coefficient	-	≤1.4	≤1.4	≤1.4

Powdered Activated Carbon (PAC)

Powdered Activated Carbon YS-24



- ◆Raw Material & Process: Made from high quality coconut shells, apricot shells, wood, coal ,via crushing, carbonization, activation, and screening.
- ◆Features: Strong adsorption, stable performance in decolorization, purification, and harmful gas removal.
- ◆Advantages:Multi-scenario adaptation, stable performance,high cost-effectiveness.
- ◆Application: Tap water purification, decolorization and purification for food and medicine including MSG, citric acid, beer, and gas adsorption such as dioxins and waste incineration.

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Item	unit	Index
Specification100-300mesh	%	≥90
Methylene Blue Adsorption Rate	ml	≥8-14
Iodine Adsorption Value	mg/g	≥800-1000
Total iron content	%	≤0.10
Moisture	%	≤10
Chloride	%	≤0.20
pH Value		8 - 10

Pelletized Activated Carbon

Mercury-removing Activated Carbon YS-30

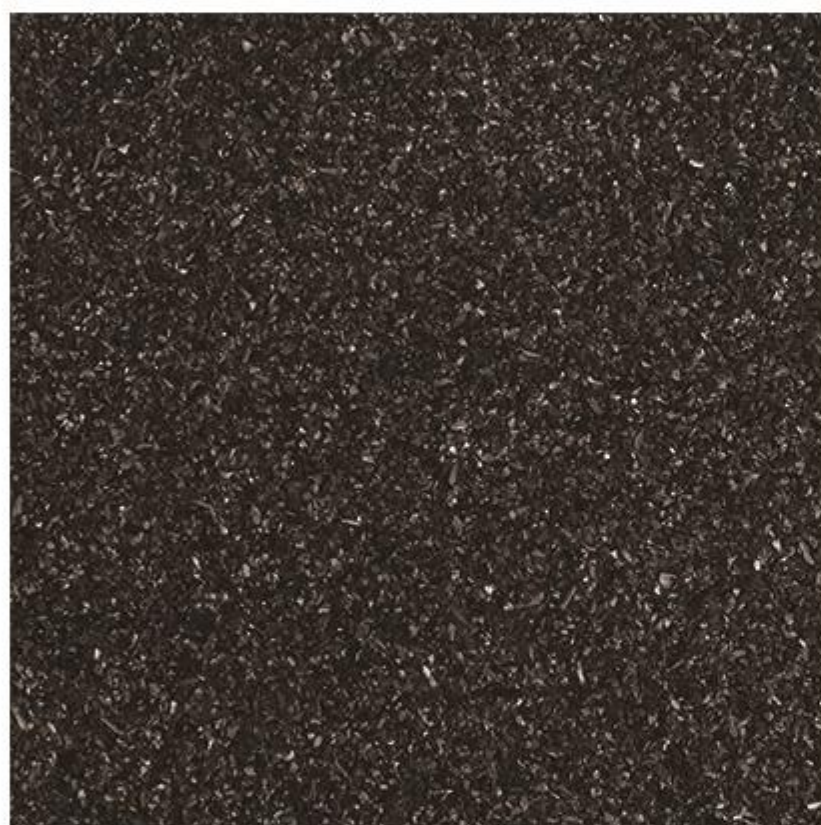


- ◆Raw Material & Process: Uses coal as raw material and is produced via a proprietary process with a 20% sulfur loading rate.
- ◆Features: Well-developed pore structure to stabilize sulfur distribution and facilitate Hg-sulfur reaction; irreversible reaction forms insoluble HgS.
- ◆Advantages: Thorough, long-lasting mercury removal; effective where conventional methods fail; enables source control of Hg emissions.
- ◆Applications: Used to remove mercury vapor from gas streams, including coal-fired power plant flue gas and non-ferrous metal smelting waste gas.

Item	Unit	Index
Sulfur Content	%	20 - 25
CTC Adsorption Value	%	80 - 100
Iodine Adsorption Value	mg/g	1050
Apparent Density	g/cm	0.6
Strength	%	94
Particle Size	mm	Φ3.0 - Φ4.0

Specialty Activated Carbon

Cyanuric Chloride Activated Carbon YS-13



- ◆Raw Material & Process: Made from imported coconut shells and refined via physical activation
- ◆Features: Porous structure for catalyst loading and impurity adsorption; stable physical properties for long-term use.
- ◆Advantages: Stable raw material supply, environmentally friendly process, dual functions for catalysis and purification.
- ◆Applications: Serves as catalyst and purification material for cyanuric chloride production.

Item	Unit	Index
Specification (16 - 32 mesh; 20 - 40 mesh)	%	≥90
Carbon Tetrachloride Adsorption Value	mg/g	≥75
Loss on Drying	%	≤10
Apparent Density	g/ml	0.5 - 0.55
Ash Content	%	≤5
PH Value	-	6.5 - 7.5
Acetic Acid Adsorption Value	%	≥530

Alcoholic Beverages Activated Carbon YS-15



- ◆Raw Material & Process: Made from high-quality coconut shells and refined via physical activation process.
- ◆Features: Eliminates fusel oil, fermentation off-flavors, and pigments.
- ◆Advantages: Enhancement of beverage taste, flavor purity, and appearance clarity; use of food-grade raw materials.
- ◆Applications: Used in alcoholic beverage processing (for accelerating aging, deodorization, and color refining); also applicable to the food industry (for deodorization, and refining of oils, non-alcoholic drinks, and food additives) and industrial fields (for organic solvent purification).

Item	Unit	Index
Specification (10 - 24 mesh)	%	≥93
Iodine Adsorption Value	mg/g	≥1000
Strength	%	≥95
Methylene Blue Adsorption Value	mg/g	≥135
Moisture	%	≤10
Apparent Density	g/ml	0.45 - 0.55
PH Value	-	6-8

Specialty Activated Carbon

Coconut Shell Tail Liquid Recovery Activated Carbon YS-16



- ◆Raw Material & Process: Made from high-quality coconut shells with a special production process.
- ◆Features: Fast adsorption speed, large adsorption capacity, and low bulk density.
- ◆Advantages: High efficiency in the recovery of gold ions in gold mine tailings and wastewater treatment; easy storage, transportation, and on-site application.
- ◆Applications: Used for the recovery of gold mine tailings and wastewater treatment.

Item	Unit	Index
Specification (20 - 30 mesh)	%	≥90
Iodine adsorption value	mg/g	≥1000
Strength	%	≥95
Ash content	%	≤5
Apparent density	g/ml	0.42 - 0.5

Coconut Shell Silver-loaded Activated Carbon YS-21



- ◆Raw Material & Process: made from high-strength coconut shells, and refined through a special silver-loading process.
- ◆Features: Water purification and bactericidal effect achieved through the micro-action of silver ions.
- ◆Advantages: It offers superior water purification and the purified water is safe for direct drinking.
- ◆Applications: Water purifiers, water dispensers, and other water purification equipment.

Item	unit	GradeA	GradeB
Specification 8-20、20-40mesh	%	≥96	≥93
Iodine Adsorption Value	mg/g	≥1000	≥900
Strength	%	≥90	≥90
Moisture	%	≤10	≤10
Methylene Blue Adsorption Value	mg/g	≥150	≥120
Ash content	%	≤5	≤5
Apparent density	g/ml	0.5-0.6	0.5-0.6
PH Value		4.5-7.5	4.5-8
Silver content	%	1-3	1-3

Specialty Activated Carbon

Apricot Shell Silver-loaded Activated Carbon YS-21A



- ◆Raw Material & Process: Made from high quality apricot shells, and refined through a special silver-loading process.
- ◆Features: Water purification and bactericidal effect achieved through the micro-action of silver ions.
- ◆Advantages: It offers superior water purification and the purified water is safe for direct drinking.
- ◆Applications: Water purifiers, water dispensers, and other water purification equipment.

Item	unit	GradeA	GradeB
Specification 8-20、20-40mesh	%	≥96	≥93
Iodine Adsorption Value	mg/g	≥900	≥800
Strength	%	≥94	≥90
Moisture	%	≤10	≤10
Methylene Blue Adsorption Value	mg/g	≥150	≥120
Ash content	%	≤5	≤5
Apparent density	g/ml	0.45-0.5	0.45-0.5
PH Value		4.5-7.5	4.5-8
Silver content	%	1-3	1-3

Electroplating Activated Carbon YS-22



- ◆Raw Material & Process: Made from high-quality coconut shells and refined via physical activation process.
- ◆Features: Possesses excellent adsorption performance; effectively removes impurities, including organic contaminants, heavy metal ions, and particulate matter.
- ◆Advantages: Optimizes coating quality; Reduces surface defects.
- ◆Applications: Applied to metal finishing processes, covering specific plating types such as nickel plating, hydrogenated copper plating, silver plating, copper-tin alloy plating, and HEDP copper plating.

Item	Unit	Index
Specification (50 - 80 mesh)	%	≥90
Iodine Adsorption Value	mg/g	≥950
Methylene Blue Adsorption Value	ml	≥9
Apparent Density	g/ml	≤0.45
Moisture	%	≤10
Soluble Ash	-	Negative in HEDP plating solution

Specialty Activated Carbon

Petrochemical-specific Activated Carbon YS-23



- ◆**Raw Material & Process:** High-quality apricot shells are used as the raw material, with the production process encompassing pretreatment, carbonization, activation, and screening.
- ◆**Features:** Boasts a pore structure tailored to petrochemical application scenarios.
- ◆**Advantages:** Delivers versatile adsorption capabilities; ensures the quality of petrochemical products; meets environmental standards.
- ◆**Applications:** Used for the decolorization and purification of petrochemical products, adsorbing toxins in petrochemical wastewater, and removing impurities from petroleum; also used as a catalyst and catalyst carrier in the synthesis industry.

Item	Unit	Grade A	Grade B
Specification (6 - 12 mesh)	%	≥96	≥93
Iodine Adsorption Value	mg/g	≥1000	≥900
Strength	%	≥95	≥96
Moisture	%	≤10	≤10
Apparent Density	g/ml	0.5	0.5
PH Value	-	6-9	6-9

Monosodium Glutamate Activated Carbon YS-25



- ◆**Raw Material & Process:** Made from high-quality coconut shells, processed via high-temperature, activation, and precision screening.
- ◆**Features:** Suitable for filling adsorption towers and various tower columns; supports continuous decolorization.
- ◆**Advantages:** Improves MSG product quality; reduces powdered carbon use; wide industry adaptability.
- ◆**Applications:** Continuous decolorization of MSG mother liquor (tower-filled) for the MSG industry; continuous liquid-phase decolorization for the pharmaceutical industry; decolorization and refining (sugar, wine, oil, beverages, organic solvents) for the food industry.

Item	unit	GradeA	GradeB
Specification 24-48mesh	%	≥93	≥90
Iodine Adsorption Value	mg/g	≥1000	≥950
Strength	%	≥90	≥90
Methylene Blue Adsorption Value	mg/g	≥150	≥135
Loss on Drying	%	≤10	≤10
Apparent density	g/ml	0.5	0.5
Iron	%	≤0.10	≤0.15
PH Value		4.5-7.5	4.5-8

Specialty Activated Carbon

Coconut Shell Oil Decolorizing Activated Carbon YS-26



- ◆Raw Material & Process: Made from high-quality coconut shells, processed via high-temperature, activation, and precision screening.
- ◆Features: Oil-philic & hydrophobic, chemically stable, and high strength
- ◆Advantages: High efficiency, comprehensive purification, easy separation & regeneration, food-grade raw material.
- ◆Applications: Used in food industry for edible oil refining to improve color, flavor, and storage stability; applied in chemical industry for decolorization and refining of industrial and mineral oils.

Item	unit	Index
Specification30-60、 60-80mesh	%	≥90
Iodine Adsorption Value	mg/g	≥950
Strength	%	≥95
Moisture	%	≤10
Ash Content	%	≤5
Acid-soluble substances	%	≤0.2
Alcohol-soluble substance	%	≤3.5
Chloride(CL-)	%	≤0.10
Iron	%	≤0.15
Sulfide	%	≤0.15
Heavy Metal	%	≤0.005
Apparent density	g/ml	0.45
PH		6-9

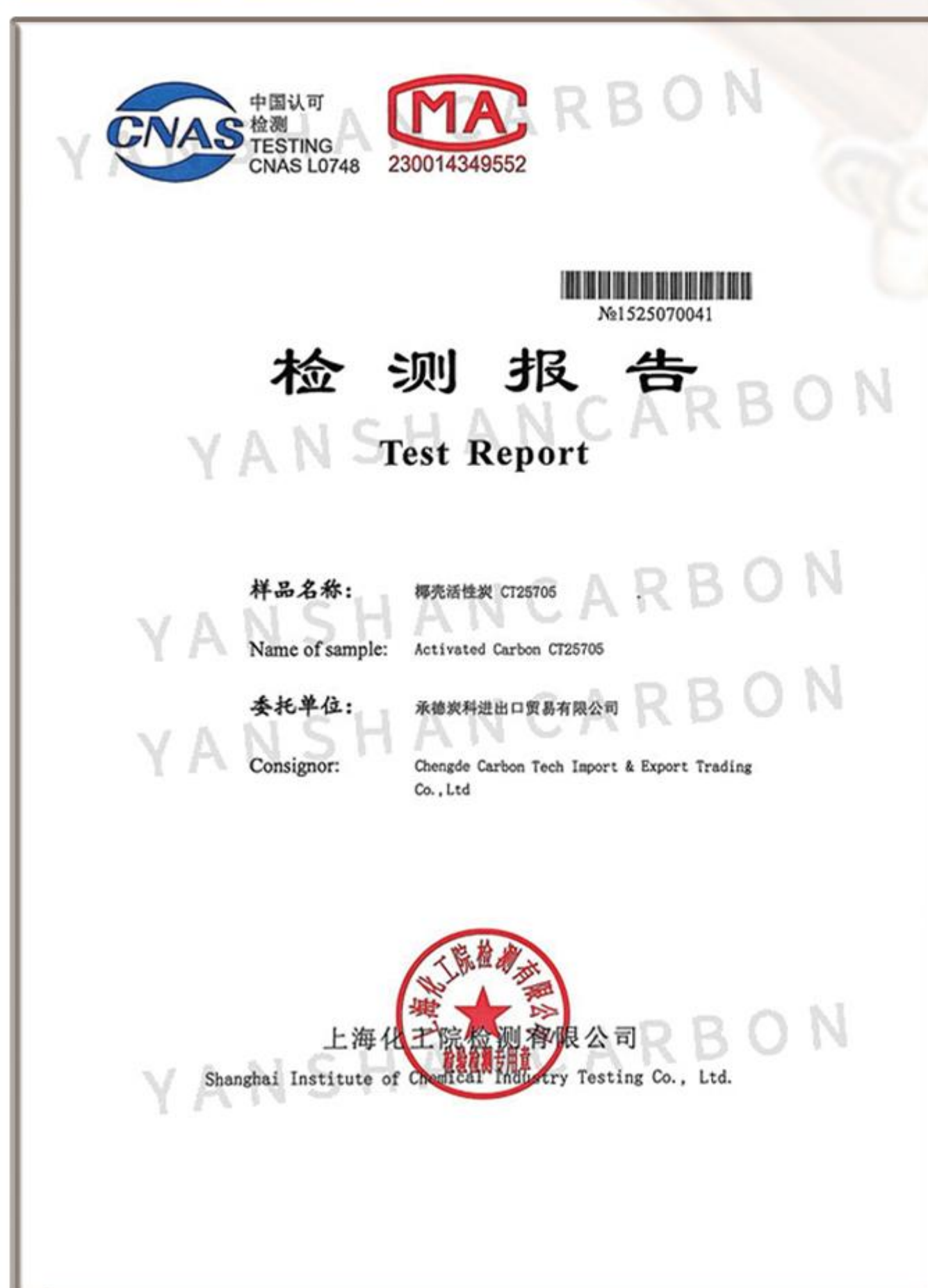
Apricot Shell Oil Decolorizing Activated Carbon YS-26A



- ◆Raw Material & Process: Made from high-quality apricot shells, processed via high-temperature, activation, and precision screening.
- ◆Features: Oil-philic & hydrophobic, chemically stable, and high strength.
- ◆Advantages: High efficiency, comprehensive purification, easy separation & regeneration, food-grade raw material.
- ◆Applications: Used in food industry for edible oil refining to improve color, flavor, and storage stability; applied in chemical industry for decolorization and refining of industrial and mineral oils.

Item	unit	Index
Specification30-60、 60-80mesh	%	≥90
Iodine Adsorption Value	mg/g	800-900
Strength	%	≥94
Moisture	%	≤10
Ash Content	%	≤5
Acid-soluble substances	%	≤0.2
Alcohol-soluble substance	%	≤3.5
Chloride(CL-)	%	≤0.10
Iron	%	≤0.15
Sulfide	%	≤0.15
Heavy Metal	%	≤0.005
Apparent density	g/ml	0.45
PH		6-9

Certificates



Granular Activated Carbon

Pelletized Activated Carbon

Powdered Activated Carbon

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