



## Active Component Palladium Pd Catalyst with 100Sqm/g-200Sqm/g Surface Area

Our Product Introduction

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### Basic Information

- Place of Origin: CHINA
- Brand Name: C8/C9 Hydrogenation Catalyst
- Model Number: KMH-08



### Product Specification

- Application: Selective Hydrogenation Of C8/C9 Hydrocarbons
- Particle Size: 1-3 Mm
- Appearance: Dark Gray To Black Solid
- Promoter: Aluminum Oxide (Al<sub>2</sub>O<sub>3</sub>)
- Active Component: Palladium (Pd)
- Surface Area: 100-200 M<sup>2</sup>/g
- Pore Volume: 0.3-0.5 Cm<sup>3</sup>/g
- Highlight: **palladium pd catalyst, palladium metal catalyst, 100sqm/g pd catalyst**

## Product Description

### Product Description:

The C8/C9 Hydrogenation Catalyst has a pore volume of 0.3-0.5 cm<sup>3</sup>/g and a surface area of 100-200 m<sup>2</sup>/g, which provides a large surface area for the catalyst to interact with the reactants. The high surface area also ensures that the catalyst is highly active and selective for the desired hydrogenation reaction.

The promoter used in this catalyst is high-purity aluminum oxide (Al<sub>2</sub>O<sub>3</sub>), which increases the stability and durability of the catalyst. This results in a longer lifespan for the catalyst, which reduces the need for frequent replacement and improves the overall efficiency of the process.

The particle size of the C8/C9 Hydrogenation Catalyst is 1-3 mm, which makes it suitable for use in a variety of reactor types. The dark gray to black solid appearance of the catalyst ensures easy identification during use and handling.

The C8/C9 Hydrogenation Catalyst is specifically designed for the hydrogenation of phenylacetylene to styrene. This process is an important step in the production of styrene, which is a key component in the production of a wide range of consumer and industrial products, including plastics, rubber, and resins.

Overall, the C8/C9 Hydrogenation Catalyst is a highly effective and efficient catalyst for the hydrogenation of phenylacetylene to styrene. Its high surface area, stable promoter, and suitable particle size make it an ideal choice for this important chemical process.

### Technical Parameters:

Technical Parameter	Value
Appearance	Dark Gray To Black Solid
Surface Area	100-200 M <sup>2</sup> /g
Promoter	Aluminum Oxide (Al <sub>2</sub> O <sub>3</sub> )
Active Component	Palladium (Pd)
Application	Selective Hydrogenation Of C8/C9 Hydrocarbons
Particle Size	1-3 Mm
Pore Volume	0.3-0.5 Cm <sup>3</sup> /g

### Applications:

The C8/C9 Hydrogenation Catalyst is perfect for the selective hydrogenation of C8/C9 hydrocarbons, making it an ideal choice for industries such as petroleum refining, chemical production, and pharmaceuticals. The catalyst can be used in a variety of scenarios including the reduction of unsaturated hydrocarbons and the removal of impurities such as Ni.

One of the major benefits of the C8/C9 Hydrogenation Catalyst is that it can be used to hydrogenate phenylacetylene selectively. This can be particularly useful in the production of fine chemicals, where the presence of phenylacetylene can cause issues with product purity. The use of this catalyst ensures that only the desired product is produced, leading to higher yields and greater efficiency.

The C8/C9 Hydrogenation Catalyst is a reliable and effective solution for any industry that requires selective hydrogenation of C8/C9 hydrocarbons. Its high-quality design and use of superior materials make it a product that you can trust.

### Customization:

Brand Name: C8/C9 Hydrogenation Catalyst

Model Number: KMH-08

Place of Origin: CHINA

Active Component: Palladium (Pd)

Appearance: Dark Gray To Black Solid

Pore Volume: 0.3-0.5 Cm<sup>3</sup>/g

Particle Size: 1-3 Mm

Application: Selective Hydrogenation Of C8/C9 Hydrocarbons

Our hydrogenation catalyst product, C8/C9 Hydrogenation Catalyst (model number KMH-08), is designed and manufactured in China, and features palladium (Pd) as its active component. Our dark gray to black solid catalyst has a pore volume of 0.3-0.5 Cm<sup>3</sup>/g, with particle sizes ranging from 1-3 Mm. Our catalyst is ideal for the selective hydrogenation of C8/C9 hydrocarbons, such as phenylacetylene.

### Support and Services:

Our C8/C9 Hydrogenation Catalyst product is designed to provide efficient and reliable hydrogenation solutions for a variety of industrial processes. Our technical support and services for this product include:

Expert consultation on catalyst selection and process optimization

Customized catalyst formulations and production

On-site technical support and troubleshooting

Performance evaluation and catalyst regeneration services

Training and education on catalyst handling and safety

Our team of experienced engineers and scientists are dedicated to ensuring the success of our customers' processes and operations.

Contact us for more information on our C8/C9 Hydrogenation Catalyst technical support and services.

## Packing and Shipping:

### Product Packaging:

The C8/C9 Hydrogenation Catalyst product comes in a 1 kg plastic jar with a screw-top lid.

The jar is sealed with a tamper-evident seal to ensure product safety and quality.

The product label includes the product name, batch number, and expiration date.

### Shipping:

The C8/C9 Hydrogenation Catalyst product is shipped in a sturdy cardboard box with appropriate cushioning to prevent damage during transit.

The product is shipped via standard ground shipping unless otherwise specified by the customer.

A packing slip with the customer's name, address, and order details is included in the shipment.

Shipping costs are calculated based on the destination address and the weight of the package.



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