



1mm-3 Mm Palladium Hydrogenation Catalyst With 100 M2/g-200 M2/g Surface Area For Production

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

- Promoter: Aluminum Oxide (Al₂O₃)
- Active Component: Palladium (Pd)
- Application: Selective Hydrogenation Of C8/C9 Hydrocarbons
- Surface Area: 100-200 M²/g
- Pore Volume: 0.3-0.5 Cm³/g
- Appearance: Dark Gray To Black Solid
- Particle Size: 1-3 Mm
- Highlight: **palladium hydrogenation catalyst,
3 mm palladium hydrogenation,
1mm hydrogenation catalyst**

Product Description

Product Description:

The active component of this catalyst is Palladium (Pd), which is highly effective in catalyzing the hydrogenation of unsaturated hydrocarbons such as phenylacetylene. The Pd is supported on aluminum oxide (Al₂O₃) promoter, which enhances the activity and selectivity of the catalyst.

The particle size of the C8/C9 Hydrogenation Catalyst is 1-3 mm, which provides excellent flow properties and ensures efficient contact between the catalyst and the reactants.

The appearance of this catalyst is a dark gray to black solid, which is indicative of its high purity and stability. It is highly resistant to deactivation, ensuring a long lifespan and consistent performance.

The C8/C9 Hydrogenation Catalyst is a superior alternative to traditional Ni-based catalysts, providing higher selectivity and activity for hydrogenation reactions. It is widely used in the production of fine chemicals, pharmaceuticals, and petrochemicals, among other applications.

Technical Parameters:

Application	Selective Hydrogenation Of C8/C9 Hydrocarbons
Promoter	Aluminum Oxide (Al ₂ O ₃)
Particle Size	1-3 mm
Active Component	Palladium (Pd)
Pore Volume	0.3-0.5 cm ³ /g
Appearance	Dark Gray To Black Solid
Surface Area	100-200 m ² /g

Applications:

This hydrogenation catalyst is used in several occasions and scenarios such as in the petrochemical industry for the production of polymers. It is also used in the pharmaceutical industry to produce intermediates and the final product. In the food industry, it is used to hydrogenate vegetable oil to produce margarine. The C8/C9 Hydrogenation Catalyst is also used in the fragrance industry to produce perfumes and in the fine chemical industry to produce specialty chemicals.

The C8/C9 Hydrogenation Catalyst is particularly effective in hydrogenating phenylacetylene as it selectively hydrogenates the triple bond without affecting the aromatic ring. This makes it useful in the production of various chemicals such as styrene, which is used in the production of plastics, rubber, and resins. It is also used in the production of pharmaceuticals such as antihypertensive agents and analgesics.

In summary, the C8/C9 Hydrogenation Catalyst is a versatile product that finds application in various industries such as petrochemicals, pharmaceuticals, food, fragrance, and fine chemicals. Its ability to selectively hydrogenate phenylacetylene makes it particularly useful in the production of several chemicals and pharmaceuticals.

Customization:

Our product customization services are available for the C8/C9 Hydrogenation Catalyst, model number KMH-08, originating from China. The catalyst has a pore volume of 0.3-0.5 Cm³/g, particle size of 1-3 mm, and features Palladium (Pd) as the active component. The surface area of the catalyst is 100-200 M²/g, making it highly effective for the selective hydrogenation of C8/C9 hydrocarbons. With our customization services, you can tailor the properties of the catalyst to meet your specific needs. Contact us today to learn more about how we can customize the Pd, Pd, Pd catalyst for your application.

Support and Services:

The C8/C9 Hydrogenation Catalyst product technical support and services include:

Expert consultation on catalyst selection, optimization, and troubleshooting

Custom catalyst formulation and development

On-site technical services and catalyst performance evaluation

Technical training and support for catalyst handling, loading, and regeneration

Assistance with catalyst replacement and disposal

Packing and Shipping:

Product packaging:

The C8/C9 Hydrogenation Catalyst product will be packaged in a secure, leak-proof container to prevent any damage or spillage during shipping.

The container will be labeled with the product name, batch number, and any necessary safety warnings.

Shipping:

The C8/C9 Hydrogenation Catalyst product will be shipped via a reputable carrier that specializes in handling hazardous materials. The product will be shipped in compliance with all applicable regulations and guidelines for the transportation of hazardous materials. The shipping package will be clearly labeled with all necessary information, including the product name, hazard class, and proper shipping name.



Qingdao Junyao Catalyst New Material Technology Co., Ltd.



+8618254266810



jycat@qdjunyao.com.cn



jyalumcatalyst.com