



## Pd/Pt/Ni/Co Hydrogenation Catalyst Gray / Black Particles 150-250°C Operating Temperature

Our Product Introduction

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### Basic Information

- Place of Origin: CHINA
- Brand Name: C4/C5 Hydrogenation Catalyst
- Model Number: KMH-04/05



### Product Specification

- Catalyst Lifespan:  $\geq 3$  Years
- Active Component: Pd, Pt, Ni, Or Co
- Particle Size: 1.5-3.0 Mm
- Hydrogenation Selectivity:  $\geq 95\%$
- Pore Volume:  $\geq 0.35$  ML/g
- Support Material Content:  $\geq 90$  Wt%
- Appearance: Gray Or Black Cylindrical Particles
- Operating Temperature: 150-250°C
- Highlight: **co hydrogenation catalyst,**  
**hydrogenation catalyst gray,**  
**pd hydrogenation reaction catalyst**

## Product Description

### Product Description:

The C4/C5 Hydrogenation Catalyst is composed of a high-quality support material, which is either alumina or silica-alumina. The bulk density of the catalyst is between 0.65-0.75 G/cm<sup>3</sup>, and the particle size is between 1.5-3.0 mm. The support material content is greater than or equal to 90 wt%, and the pore diameter is between 30-80 Å. These specifications make the C4/C5 Hydrogenation Catalyst a highly effective and efficient catalyst for various industrial applications.

The C4/C5 Hydrogenation Catalyst is used in various industrial processes, including the production of chemicals, such as alcohols, amines, and olefins. It is also used in the production of petroleum products, such as gasoline, diesel, and jet fuel. The catalyst is known for its exceptional activity and selectivity, which allows for high yields and low by-product formation.

The C4/C5 Hydrogenation Catalyst is a saturation hydrogenation catalyst, which means it is used to convert unsaturated hydrocarbons to saturated hydrocarbons. This type of catalyst is used in various industrial processes, such as the production of chemicals, petrochemicals, and other products. The C4/C5 Hydrogenation Catalyst is highly effective in these applications, as it is able to convert unsaturated hydrocarbons to saturated hydrocarbons with high activity and selectivity.

In conclusion, the C4/C5 Hydrogenation Catalyst is a high-performance catalyst used in various industrial applications. It is composed of a high-quality support material, which is either alumina or silica-alumina. The bulk density of the catalyst is between 0.65-0.75 G/cm<sup>3</sup>, and the particle size is between 1.5-3.0 mm. The support material content is greater than or equal to 90 wt%, and the pore diameter is between 30-80 Å. The C4/C5 Hydrogenation Catalyst is a saturation hydrogenation catalyst used to convert unsaturated hydrocarbons to saturated hydrocarbons in the C4/C5 range. It is known for its exceptional activity and selectivity, making it an ideal choice for various industrial applications.

### Technical Parameters:

Operating Pressure	1-10 MPa
Appearance	Gray Or Black Cylindrical Particles
Pore Volume	≥ 0.35 ML/g
Particle Size	1.5-3.0 Mm
Surface Area	≥ 150 M <sup>2</sup> /g
Active Component	Pd, Pt, Ni, Or Co
Operating Temperature	150-250°C
Bulk Density	0.65-0.75 G/cm <sup>3</sup>
Support Material	Alumina Or Silica-alumina
Hydrogenation Selectivity	≥ 95%

This Hydrogenation Catalyst is a type of saturation hydrogenation catalysts that are used for butadiene removal.

### Applications:

This product is commonly used in the petrochemical industry, particularly in the process of converting alkyne to recover butene. It is also useful in hydrogenation reactions that require high selectivity, such as in the production of high-purity chemicals. The C4/C5 Hydrogenation Catalyst is an ideal choice for scenarios that require a high degree of precision and purity in the final product.

Manufactured with precision and care, the C4/C5 Hydrogenation Catalyst is a reliable and cost-effective solution for many industrial applications. Its selectivity and support material make it an excellent choice for many different types of hydrogenation reactions. Whether you are working in the petrochemical industry, or in the production of high-purity chemicals, this catalyst is a valuable tool that can help you achieve your goals.

In summary, the C4/C5 Hydrogenation Catalyst is a versatile and effective product that is capable of supporting a wide range of industrial applications. Whether you are working with alkyne to recover butene, or in any other hydrogenation scenario, this catalyst can help you achieve your desired results. With its high selectivity and reliable performance, the C4/C5 Hydrogenation Catalyst is an ideal choice for any industrial setting.

### Customization:

Our C4/C5 Hydrogenation Catalyst is well known for its outstanding ability to convert alkyne to recover butene and is one of the most effective saturation hydrogenation catalysts available in the market. It has a long lifespan of ≥ 3 years and a particle size of 1.5-3.0 mm, making it suitable for a wide range of applications.

### Support and Services:

The C4/C5 Hydrogenation Catalyst is a high-performance heterogeneous catalyst used for the selective hydrogenation of acetylenes and dienes in C4 and C5 olefin streams. It delivers high selectivity and activity while maintaining excellent stability and long service life. Our technical support team is available to provide assistance with catalyst selection, process optimization, and troubleshooting. Our services include catalyst testing, catalyst regeneration, and spent catalyst disposal. We also offer on-site technical support and catalyst handling and loading services to ensure safe and efficient catalyst operation.

## Packing and Shipping:

### Product Packaging:

The C4/C5 Hydrogenation Catalyst will be packed in a sturdy and durable container to ensure that the product is protected during transit. The container will be clearly labeled with the product name, quantity, and any necessary handling instructions or warnings.

### Shipping:

The C4/C5 Hydrogenation Catalyst will be shipped via a reliable and trustworthy shipping service.

The product will be carefully packaged to prevent any damage during transit.

The shipping label will include all necessary information, including the recipient's name and address, the shipping service used, and any tracking or delivery information.



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