



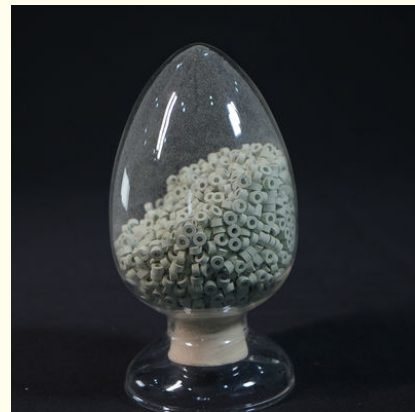
## Active Component Content C4/C5 Hydrogenation Catalysts In Gray Or Black Cylindrical Particles

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

- Support Material: Alumina Or Silica-alumina
- Catalyst Lifespan:  $\geq 3$  Years
- Pore Diameter: 30-80 Å
- Pore Volume:  $\geq 0.35$  ML/g
- Active Component: Pd, Pt, Ni, Or Co
- Appearance: Gray Or Black Cylindrical Particles
- Bulk Density: 0.65-0.75 G/cm<sup>3</sup>
- Surface Area:  $\geq 150$  M<sup>2</sup>/g
- Highlight: **c4 metal catalyst, c5 metal catalyst, gray c4/c5 hydrogenation catalyst**

## Product Description

### Product Description:

One of the key benefits of our hydrogenation catalyst is its ability to remove butadiene from C4/C5 streams. This is particularly important in the petrochemical industry, where butadiene can have negative impacts on the quality and safety of end products.

In addition to butadiene removal, our catalyst is also effective at converting alkynes to recover butene. This makes it a versatile tool for optimizing industrial processes and maximizing yields.

Our hydrogenation catalyst is made with a support material of alumina or silica-alumina. This ensures a high level of stability and durability, with a catalyst lifespan of at least 3 years. The support material content is also high, with a minimum of 90 wt%.

Overall, our C4/C5 Hydrogenation Catalyst product is an excellent choice for anyone in need of a reliable and effective catalyst for hydrogenation processes. Whether you're looking to remove butadiene or recover butene, our catalyst is sure to deliver excellent results.

### Technical Parameters:

Technical Parameter	Value
C4/C5 Hydrogenation Catalyst Active Component Loading	≥ 2 Wt%
C4/C5 Hydrogenation Catalyst Bulk Density	0.65-0.75 G/cm3
C4/C5 Hydrogenation Catalyst Lifespan	≥ 3 Years
C4/C5 Hydrogenation Catalyst Appearance	Gray or Black Cylindrical Particles
C4/C5 Hydrogenation Catalyst Pore Volume	≥ 0.35 ML/g
C4/C5 Hydrogenation Catalyst Operating Pressure	1-10 MPa
C4/C5 Hydrogenation Catalyst Support Material	Alumina or Silica-alumina
C4/C5 Hydrogenation Catalyst Active Component	Pd, Pt, Ni, or Co
C4/C5 Hydrogenation Catalyst Support Material Content	≥ 90 Wt%
C4/C5 Hydrogenation Catalyst Pore Diameter	30-80 Å

### Applications:

The C4/C5 Hydrogenation Catalyst, model number KMH-04/05, is a product of China and is composed of active components such as Pd, Pt, Ni, or Co. Its pore diameter ranges from 30-80 Å, operating pressure is 1-10 MPa, particle size is 1.5-3.0 mm, and hydrogenation selectivity is ≥ 95%. This Hydrogenation Catalyst is ideal for a variety of application occasions and scenarios, including:

**Butadiene Removal** - this catalyst is most effective in removing butadiene from C4/C5 fractions, which is a crucial step in the production of high-quality gasoline or polymer-grade propylene.

**Hydrogenation of Olefins** - this Catalyst can be used to selectively hydrogenate olefins present in various feedstocks, such as unsaturated hydrocarbons, vegetable oils, and fatty acids.

**Hydrogenation of Nitro Compounds** - this Catalyst can be used to reduce nitro compounds to amines, an important step in the production of pharmaceuticals, agrochemicals, and other fine chemicals.

**Sulfur Removal** - this Catalyst can also be used to remove sulfur compounds from various feedstocks, such as natural gas, crude oil, and refinery streams.

**Hydrogenation of Benzene** - this Catalyst can be used to selectively hydrogenate benzene to cyclohexene, which is an intermediate in the production of nylon, caprolactam, and adipic acid.

The C4/C5 Hydrogenation Catalyst is a reliable and efficient product that can be used in a wide range of industrial applications. Its high selectivity and effectiveness make it an ideal choice for companies looking to improve their production processes and achieve better quality products.

### Support and Services:

The C4/C5 Hydrogenation Catalyst product is backed by our comprehensive technical support and service offerings. Our team of experts is available to assist with any questions or issues you may encounter during the catalyst installation process or while using the product. We also offer on-site training to ensure that your team is equipped with the knowledge and skills needed to use the catalyst effectively. In addition, we provide ongoing maintenance and monitoring services to help you get the most out of your investment. Contact us today to learn more about our technical support and services.

### Packing and Shipping:

Product Packaging:

The C4/C5 Hydrogenation Catalyst product will be packed in 25 kg drums.

The drums will be labeled with the product name, batch number, and date of manufacture.

Each drum will have a seal to ensure the product remains intact during transportation.

Product Shipping:

The C4/C5 Hydrogenation Catalyst product will be shipped via a licensed hazardous materials carrier.  
The product will be transported in accordance with all applicable regulations for hazardous materials shipping.  
The shipping documents will include the product name, quantity, batch number, and date of manufacture.  
The carrier will be provided with all necessary emergency response information in case of a spill or accident during transportation.



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