

Global Metal Organic Framework Material Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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Abstracts

According to our (Global Info Research) latest study, the global Metal Organic Framework Material market size was valued at US\$ 385 million in 2024 and is forecast to a readjusted size of USD 494 million by 2031 with a CAGR of 3.7% during review period.

In this report, we will assess the current U.S. tariff framework alongside international policy adaptations, analyzing their effects on competitive market structures, regional economic dynamics, and supply chain resilience.

Metal-organic framework materials are porous crystalline materials formed by metal ions (or metal clusters) and organic ligands connected by coordination bonds. The metal ions in MOF are usually transition metal ions, such as aluminum, iron, calcium, magnesium, etc., or other metal elements with coordination ability. These metal ions play a role in structural support and provide catalytic active sites in MOF. Organic ligands are usually organic molecules containing carboxyl groups, nitrogen groups or other functional groups that can coordinate with metal ions. They are connected to metal ions through coordination bonds to form the porous structure of MOF. Common organic ligands include organic acids (such as uric acid, benzoic acid, acetic acid, etc.) and other organic compounds.

This report is a detailed and comprehensive analysis for global Metal Organic Framework Material market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets.

Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Metal Organic Framework Material market size and forecasts, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/kg), 2020-2031

Global Metal Organic Framework Material market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/kg), 2020-2031

Global Metal Organic Framework Material market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/kg), 2020-2031

Global Metal Organic Framework Material market shares of main players, shipments in revenue (\$ Million), sales quantity (Tons), and ASP (US\$/kg), 2020-2025

The Primary Objectives in This Report Are:

- To determine the size of the total market opportunity of global and key countries
- To assess the growth potential for Metal Organic Framework Material
- To forecast future growth in each product and end-use market
- To assess competitive factors affecting the marketplace

This report profiles key players in the global Metal Organic Framework Material market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include BASF, NuMat Technologies, MOF Technologies, Ecovative Design, Chemisorb, Wuhan Lanabai Pharmaceutical Chemicals, Shenzhen Xinzhoubang Technology, Xi'an Qiyue Biotechnology, Xi'an Ruixi Biotechnology, Changsha Yimo Biotechnology, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

Metal Organic Framework Material market is split by Type and by Application. For the

period 2020-2031, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Transition Metals

Rare Earth Metals

Market segment by Application

Gas Storage and Separation

Catalytic Reaction

Pollutant Capture and Separation

Others

Major players covered

BASF

NuMat Technologies

MOF Technologies

Ecovative Design

Chemisorb

Wuhan Lanabai Pharmaceutical Chemicals

Shenzhen Xinzhoubang Technology

Xi'an Qiyue Biotechnology

Xi'an Ruixi Biotechnology

Changsha Yimo Biotechnology

Guangdong Carbon Language New Materials

Jiangsu Xianfeng Nanomaterials Technology

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Metal Organic Framework Material product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Metal Organic Framework Material, with price, sales quantity, revenue, and global market share of Metal Organic Framework Material from 2020 to 2025.

Chapter 3, the Metal Organic Framework Material competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Metal Organic Framework Material breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2020 to 2031.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2020 to 2025. and Metal Organic Framework Material market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces

analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Metal Organic Framework Material.

Chapter 14 and 15, to describe Metal Organic Framework Material sales channel, distributors, customers, research findings and conclusion.

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