

Global 1, 10-Phenanthroline Anhydrous Market Research Report 2023

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Abstracts

Phenanthroline is an organic heterocyclic compound and a chelating agent with high affinity towards metal ions. The chemical is generally prepared by two consecutive sequential Skraup reactions of glycerol with o-phenylenediamine and an oxidizing agent such as traditional aqueous arsenic acid or nitrobenzene. Sulfuric acid is used as a catalyst in this reaction. After dehydration reaction acrolein is produced from glycerol and goes into further cyclization followed by reaction with amine to get condensed. 1, 10-phenanthroline anhydrous is majorly used as a chelating agent in various industries. It is also largely used in co-ordination chemistry as ligand (a bonding molecule which helps a central metal atom to form a co-ordination complex by binding). 1, 10-phenanthroline is soluble in water it is also soluble in organic solvents. The chemical is non-toxic in nature.

According to QYResearch's new survey, global 1, 10-Phenanthroline Anhydrous market is projected to reach US\$ 308.1 million in 2029, increasing from US\$ 215 million in 2022, with the CAGR of 5.3% during the period of 2023 to 2029. Influencing issues, such as economy environments, COVID-19 and Russia-Ukraine War, have led to great market fluctuations in the past few years and are considered comprehensively in the whole 1, 10-Phenanthroline Anhydrous market research.

Chemical is an important driver of this industry. Emerging economies, particularly in Asia and Latin America, are experiencing rapid industrialization, urbanization, and population growth. This drives the demand for bulk chemicals across various sectors, including construction, automotive, electronics, agriculture, and consumer goods. The rising middle class in these regions is also contributing to increased consumption of chemical products.

Report Scope

This report, based on historical analysis (2018-2022) and forecast calculation (2023-2029), aims to help readers to get a comprehensive understanding of global 1, 10-Phenanthroline Anhydrous market with multiple angles, which provides sufficient supports to readers' strategy and decision making.

By Company

Acros Organics BVBA

Aopharm

Belami Fine Chemicals

GFS Chemicals

Loba Feinchemie GmbH

Merck Millipore

Shenyang Xinguang Chemical Factory

Segment by Type

Below 99%

Above 99%

Segment by Application

Chemical Industry

Food and Beverage

Pharmaceutical

Others

Production by Region

North America

Europe

China

Japan

Consumption by Region

North America

United States

Canada

Europe

Germany

France

U.K.

Italy

Russia

Asia-Pacific

China

Japan

South Korea

China Taiwan

Southeast Asia

India

Latin America, Middle East & Africa

Mexico

Brazil

Turkey

GCC Countries

The 1, 10-Phenanthroline Anhydrous report covers below items:

Chapter 1: Product Basic Information (Definition, type and application)

Chapter 2: Manufacturers' Competition Patterns

Chapter 3: Production Region Distribution and Analysis

Chapter 4: Country Level Sales Analysis

Chapter 5: Product Type Analysis

Chapter 6: Product Application Analysis

Chapter 7: Manufacturers' Outline

Chapter 8: Industry Chain, Market Channel and Customer Analysis

Chapter 9: Market Opportunities and Challenges

Chapter 10: Market Conclusions

Chapter 11: Research Methodology and Data Source

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