

Global Electronic Grade Propyl Gallate Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global Electronic Grade Propyl Gallate market size was valued at US\$ 9.61 million in 2025 and is forecast to a readjusted size of US\$ 16.70 million by 2032 with a CAGR of 8.1% during review period.

Electronic grade propyl gallate is a high-purity organic ester compound prepared from gallic acid and propanol as the main raw materials through esterification, refining, decolorization, recrystallization, drying, and clean packaging processes. Its main characteristics are strong antioxidant activity, high phenolic hydroxyl activity, good thermal stability, low impurity content, and stricter control of metal ions and moisture. Compared with food grade or ordinary industrial grade propyl gallate, electronic grade products emphasize purity, ash content, metal ions, chloride ions, sulfate ions, particulate matter, and batch stability. They are mainly used in fields such as electronic chemicals, photoresist additives, electronic resin stabilizers, display material additives, precision coating materials, semiconductor formula materials, etc. Their functions include inhibiting oxidation, improving formula stability, enhancing material storage life, and reducing impurity risks in electronic materials. In 2025, global Electronic Grade Propyl Gallate production reached approximately 964 MT, with an average global market price of around US\$ 9,687 per MT. The annual production capacity of electronic grade propyl gallate is 1,500 tons, with a gross profit margin of about 30%.

The upstream mainly includes gallic acid, n-propanol, catalysts, decolorizers, recrystallization solvents, ultrapure water, clean packaging materials, testing consumables, and energy. Among them, gallic acid mostly comes from plant tannic acid deep processing systems such as gallnut and tala powder, while n-propanol comes

from petrochemical alcohol raw materials; The downstream mainly includes photoresist formulation enterprises, electronic chemical enterprises, electronic resin enterprises, display material enterprises, semiconductor cleaning solution and coating material enterprises, scientific research reagents and small batch verification customers; In terms of cost structure, gallic acid accounts for about 38%, n-propanol and solvents account for about 15%, refining and recrystallization consumables account for about 10%, energy and environmental treatment account for about 8%, labor and manufacturing costs account for about 9%, quality testing and certification account for about 8%, clean packaging and logistics account for about 7%, and equipment depreciation and management expenses account for about 5%.

Electronic grade propyl gallate belongs to small varieties of high value-added fine chemicals. The market demand does not rely on bulk production like general antioxidants, but more on the development pace of semiconductor materials, display materials, electronic resins, photoresist supporting chemicals, and high-purity wet electronic chemicals. Around 2025, the global electronic material supply chain will continue to emphasize localization, low impurity, and batch consistency, driving an increase in the demand for certification of high-purity organic additives. However, this product is usually used as a functional additive or formulation auxiliary material in the electronic system, with low unit consumption and a long customer introduction cycle. Therefore, the market presents characteristics of small scale, high certification barriers, strong price elasticity, and high customer stickiness. The future growth opportunities mainly come from advanced packaging, panel materials, high-performance electronic resins, domestic photoresist and supporting auxiliary verification. The focus of enterprise competition will shift from pure purity improvement to metal ion control, clean packaging, impurity mass spectrometry management, batch stability and customer customization service capabilities.

This report is a detailed and comprehensive analysis for global Electronic Grade Propyl Gallate 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 Electronic Grade Propyl Gallate market size and forecasts, in consumption value

(\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2021-2032

Global Electronic Grade Propyl Gallate market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2021-2032

Global Electronic Grade Propyl Gallate market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2021-2032

Global Electronic Grade Propyl Gallate market shares of main players, shipments in revenue (\$ Million), sales quantity (Tons), and ASP (US\$/Ton), 2021-2026

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 Electronic Grade Propyl Gallate

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 Electronic Grade Propyl Gallate 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 Tianjin Jiuri New Material, Shanghai T-chem New Materials Technology, Leshan Sanjiang Biotechnology, XiuYu, Hunan Linong Gallnut Industry Development, Jiurui Biology & Chemistry, etc.

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

Market Segmentation

Electronic Grade Propyl Gallate market is split by Type and by Application. For the period 2021-2032, 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

Purity?99%

Purity?99.9%

Market segment by Gallic Acid Content

Gallic Acid Content 0.5%

Gallic Acid Content

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