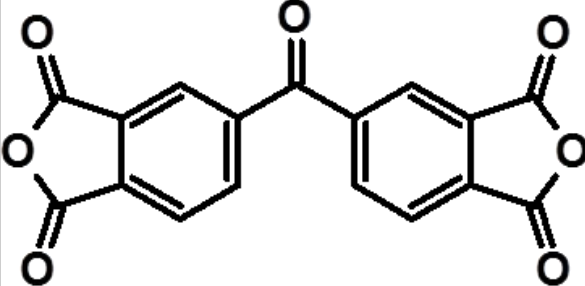


CERTIFICATE OF ANALYSIS

Product Features

	CAS No.	2421-28-5
	Product name	3,3',4,4'-Benzophenonetetracarboxylic dianhydride
	Abbreviation	BTDA
	Appearance	Off-white powder/White powder
	Purity(HPLC)	≥99%/99.5%
	Metal ion content	Single metal ≤100 ppb
	Molecular formula	C ₁₇ H ₆ O ₇
	Molecular weight	322.23
	Package	In Aluminum foil bag, cartons outside.
	Storage	Preserve in a well-closed container and keep in cool, dry place, avoid light.

Application

- 3,3',4,4'-Benzophenonetetracarboxylic dianhydride is an organic compound commonly used in the synthesis of dyes, fluorescents and photosensitive materials. In the field of dyes, BTDA is used as a dye for clothing, paper, and plastics, where it imparts rich colors to these materials.
- In terms of fluorescent agents, 3,3',4,4'-Benzophenonetetracarboxylic dianhydride is often used as a fluorescent labeling molecule. It can be used as a fluorescent probe for detecting the presence and quantification of biomolecules and chemical molecules.
- In terms of photosensitive materials, 3,3',4,4'-Benzophenonetetracarboxylic dianhydride can be used as one of the components of photosensitizers and photosensitive materials, such as photosensitive polyimides, polyimide foams and other materials. When BTDA is irradiated with light of a specific wavelength, it undergoes a photochemical reaction that releases energy, which triggers a specific change in the properties of the photosensitive material.



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Company Profile

- Heynova (Shanghai) New Material Technology co., Ltd. located in Shanghai is a technologically innovative company with integrated development of R&D, production and sales of high-end Electronic Materials and Specialty Polymer Materials. Meanwhile we are the agent of PI Resin, PI Engineering Plastics and 3D Printing materials.
- **As technology R&D**, the company has maintained close cooperation with a number of domestic research institutes for a long time, focusing on the design of the molecular structure of electronic materials, with a number of invention patents, the core formulations and processes independently controllable, with the ability to customize the development of the materials.
- **As production and supply**, our company has cooperative production bases in Shandong, Jiangsu, Sichuan and Northeast China, which can produce materials from gram to tonnage level, and has all the capabilities of small, medium and large-scale production.

Business Classification

- **Polyimide Materials:** Including PI Monomers, PI Resin, PI Engineering Plastics. PI monomers are mainly Dianhydride and Diamine special monomers, which have been widely used in the production of colorless and transparent Flexible Polyimide Films, Flexible Display Materials, 5G New Materials, Photosensitive Polyimide and Semiconductor Materials, New Energy Automobile Special Insulating Materials, Aerospace Composites, and many other high-tech field products.
- **Photoresist Materials:** Including Photoresist monomer, PAG, PAC, Photoinitiators, Solvents and so on. At present, our company's Photoresist Monomer is mainly based on KrF, ArF Gel monomer, focusing on the provision of Display Photoresist, Semiconductor Photoresist and special Photoresist materials for Semiconductors, Panels, PCB and other fields.
- **OLED Display Materials:** Specialized in providing OLED Display Intermediate materials for cell phones, TVs, flat panels, wearable devices, in-vehicle devices and other fields.
- **Lithium Battery Materials:** Specialized in providing Lithium Battery Diaphragm materials for transportation, electric power storage, mobile communication, new energy storage, aerospace military and other fields.
- **3D Printing Materials:** Specialized in providing 3D Printing Organic Resin materials and high-end Metal materials for aerospace, marine, nuclear industry, medical and other fields.
- **Customized services:** We can customize the development of products according to customer needs, and continuously optimize the material properties and key indicators, developed in collaboration with customers, established the direct channel of "R & D - Validation - Mass production".