

Mg (C₅H₅)₂

Properties: Bis(cyclopentadienyl)magnesium (also known as magnesium diamorphite, Mg(C₅H₅)₂) is an organic solid compound, white crystals at room temperature, soluble in organic solvents, such as cyclohexane, ether and so on. It will spontaneously combust in air and decompose in water.

Uses: LED light-emitting material doping reagent; metallo-organic compound preparation.

· Identifier

Chemical Formula	Mg(C ₅ H ₅) ₂
CAS No.	1284-72-6
EINECS No.	603-275-0

· Physical and chemical properties

Molecular weight	154.49 g/mol	Flash point	290℃	Reactivity	Stable in the air, but it will break down with water
Appearance	White crystal	Melting point	180℃	Solubility	Soluble in ether, benzene, and dyshayne
Density	/	Boiling point	290℃	Storage	Opaque background、anhydrous

· Metal impurities

Impurities	Unit	Specification	Impurities	Unit	Specification
Al	ppm	≤0.3	Hg	ppm	≤0.5
As	ppm	≤0.5	Mn	ppm	≤0.1
Bi	ppm	≤0.5	Ni	ppm	≤0.3
Ca	ppm	≤0.3	Pb	ppm	≤1
Cd	ppm	≤0.02	Sb	ppm	≤0.5
Co	ppm	≤0.2	Si	ppm	≤1
Cr	ppm	≤0.1	Sn	ppm	≤1
Cu	ppm	≤0.2	Ti	ppm	≤0.1
Fe	ppm	≤1	V	ppm	≤0.3
Ge	ppm	≤0.5	Zn	ppm	≤0.3

VITAL MICRO-ELECTRONICS TECHNOLOGY CO., LIMITED

High Purity Materials Production Plant: No.16, Chuangxing Third Road, Qingyuan, Guangdong China 511517

Tel: 0763-3993123 Fax: (86) 020 - 83511907 Website: www.vitalchem.com

E-mail: semi_sales@vitalchem.com