Magnesium Chloride

# General Characteristics:

**Formula:** MgCl2, MgCl2·6H2O

**Molecular weight:** 95.21(MgCl2), 203.30(MgCl2·6H2O) **Appearance:** White deliquescent hexagonal crystal **Odor:** Odorless

**CAS Number:** 7786-30-3, 7791-18-6

**EINECS NO.:** 232-094-6

**INS:** 511

**Solubility:** It is hygroscopic, very soluble in water, and freely soluble in alcohol.

# Uses:

Nutritional intensifier; coagulant; stabilizer. It can condense the protein sol to form gel, which can be used in soybean products.

# Packing and Storage:

* 15kg/20kg net paper bag and PE bags sealed inside.
* Store in a well-closed bag at room temperature, protect from light, moisture and pest infestation.
* Shelf life--- two years.

# GMO-Status:

The product is a non GMO product and is free from any recombinant DNA

# Irradiation/Radioactivity:

Yunbo’s Magnesium chloride was never subjected to any kind of ionized irradiation and contains no radioactivity not even in minor amounts.

# BSE/TSE:

No raw materials from bovine origin are used nor are any bovine constituents present in the product.

# Specifications(FCC/E511/USP/EP):

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Parameter** | **FCC** | **E511** | **USP** | **Ph.Eur** |
| Assay(MgCl2·6H2O) | 99.0%~105.0% | ≥99.0% | 98.0%~101.0% | 98.0%~101.0% |
| Test for magnesium | **/** | Passes test | Passes test | Passes test |
| Test for chloride | **/** | Passes test | Passes test | Passes test |
| Sulfate | ≤0. 005% | **/** | ≤0. 005% | ≤0. 01% |
| Bromides | **/** | **/** | **/** | ≤500.0ppm |
| Insoluble matter | **/** | **/** | ≤0. 005% | **/** |
| Limit of calcium | **/** | **/** | ≤0.01% | ≤0.1% |
| Ammonium | ≤0. 005% | ≤0. 005% | **/** |  |
| Arsenic | ≤0.50ppm | ≤3.0ppm | **/** | ≤2.0ppm |
| Lead | ≤4.0ppm | ≤2.0ppm | **/** | **/** |
| Mercury | **/** | ≤1.0ppm | **/** | **/** |
| Aluminum | **/** | **/** | ≤1.0ppm | ≤1.0ppm |
| Iron | **/** | **/** | **/** | ≤10.0ppm |
| Potassium | **/** | **/** | **/** | ≤500.0ppm |
| Heavy mental | ≤0.001% | **/** | ≤0. 001% | **/** |
| pH | 4.5-7.0 | **/** | 4.5~7.0 | **/** |
| Water | **/** | **/** | **/** | 51.0%~55.0% |

