



TECHNICAL DATA SHEET

Product Name: Magnesium pyruvate

CAS Number: 81686-75-1

Molecular Formula: C₆H₆MgO₆

Molecular Weight: 214.41g/mol

1. Product Description

Magnesium Pyruvate is the magnesium salt of pyruvic acid. It appears as a white crystalline powder, freely soluble in water, and serves as a source of both magnesium and pyruvate. It is widely used in dietary supplements, pharmaceutical formulations, and biochemical research.

2. Specification

Parameter		Specification
Lose on drying	≤%	5.0
Sulfates	≤ppm	200
Chloride	≤ppm	200
Heavy metal	≤ppm	10
Arsenic	≤ppm	1
Content of pyruvate iron	≥%	60
Content of magnesium	%	9.0-10.5

3. Applications

Nutritional supplements – as a magnesium source

Infant formula and medical foods

Pharmaceutical preparations – magnesium tablets, capsules

Sports nutrition and fortified drinks

4. Packaging and Storage

Packaging: 25 kg net weight per fiber drum or paper bag, inner with PE liner

Shelf Life: 24 months when properly stored

Storage Conditions: Store in a cool, dry place, away from light and moisture

5. Regulatory Status

Food grade, conforms to FCC / USP standards (depending on grade)

Manufactured under ISO and HACCP-certified facilities

Non-GMO, Allergen-Free, BSE/TSE-free