

**Jungbunzlauer**

*From nature to ingredients®*

# Zinc Gluconate

A perfect choice for zinc fortification  
and zinc supplements



# Zinc Gluconate-Applications

Zinc gluconate is used as a mineral source in functional food and beverages, personal care and food supplement preparations. Due to its high and fast solubility, it is the zinc salt of choice for mineral fortified liquid or powder applications. As an organic mineral, it is preferred over inorganic sources because of its superior bioavailability and physiological compatibility.

## Properties of Zinc Gluconate

- Organic mineral salt
- White crystalline powder
- Practically odourless
- No taste impact at usual dosage levels
- Mineral content of 12.5-14.6%
- Good and fast solubility (720 g/L)
- Highly bioavailable, well absorbed by the body
- Allergen and GMO free

## Specification

Jungbunzlauer zinc gluconate is supplied in accordance with the requirements of the US Pharmacopeia (USP) and the Food Chemicals Codex (FCC) always in their latest versions. The FDA affirmed zinc gluconate as generally recognised as safe (GRAS).

Molecular formula	$(C_6H_{11}O_7)_2 \cdot Zn$
Molecular weight	455.67 g/mol
Zinc content	12.5-14.6%
pH-value (1%)	5.5 – 7.5
CAS No.	4468-02-4
EC No.	224-736-9
Granulation	Powder

## Zinc Gluconate facts

- Zinc is an important mineral in the human body
- Zinc supports the immune system, is important for healthy skin, nails and hair and maintains cognitive functions
- Zinc gluconate is the most used organic zinc salt in food & beverage applications
- Main applications of zinc gluconate are supplements, sports nutrition, dairy alternatives and infant food
- Recommended dietary allowance (RDA) of zinc is 10 mg in the EU and 11 mg in the USA
- Zinc gluconate offers excellent solubility properties and a fast dissolution speed

**Zinc gluconate is the perfect choice for zinc fortified liquid or powder applications.**



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