

PRODUCT  
SPECIFICATION  
BULLETIN

Gelcarin® GP-911  
Carrageenan, NF

Comments

- Produces strong, brittle water gels in presence of potassium ions
- Compatible with various protein sources

Compendial Standards

Specification

Identification	Passes
Solubility	Passes
Water viscosity, 1.5%, mPa•s	NLT 5
Loss on drying, %	NMT 12.5
Acid-insoluble matter, %	NMT 2.0
Total ash, %	NMT 35.0
Arsenic, ppm	NMT 3
Lead, %	NMT 0.001
Heavy metal, %	NMT 0.004
Microbial limits:	
Total bacterial count, cfu/g	NMT 200
<i>Salmonella</i> species	Not detected by test
<i>Escherichia coli</i>	Not detected by test

Additional FMC specifications

pH, 1.5%	7.5 - 10.5
Water gel, grams	700 - 1000
Particle size, % through 80 mesh (180 microns)	NLT 95.0
Microbial limits:	
<i>Staphylococcus aureus</i>	Not detected by test
<i>Pseudomonas aeruginosa</i>	Not detected by test
Mold and yeast, cfu/g	NMT 100

This product meets the requirement for Organic Volatile Impurities in the *United States Pharmacopeia <467>* and complies with the ICH Guide Q3C for Residual Solvents.

**Storage Conditions:** Store at ambient conditions. Keep containers sealed; material is very hygroscopic.

**Re-evaluation Date:** 2 years from date of manufacture, if storage conditions stated above are observed.

**Re-evaluation Requirements:** FMC recommends that after the above re-evaluation date, the customer perform the loss on drying, viscosity, and water gel tests.