



Dalian Eastland Internatioanl Trading Co.,Ltd

Glycine

A Professional Manufacturer

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Glycine Quick Details

Item	Pharmaceutical grade	Food grade	Feed grade	Industrial grade
Content %	99 ~ 101	98.5 ~ 101.5	≥98.5	≥97.5
Chloride (Cl) % Max.	0.007	0.02	0.5	0.5
Heavy metals % Max.	0.001	0.002	0.002	--
Arsenic (As) % Max.	0.0001	0.0002	0.0003	--
Ammonium salt % Max.	0.02	--	--	--
Sulfate % Max.	0.006	--	--	--
Fe % Max.	0.001	--	--	0.003
Residue on ignition % Max	0.1	0.1	0.1	--
Loss on drying % Max.	0.2	0.2	0.5	1
PH value	5.5 ~ 6.5	5.5 ~ 7.0	--	--
Transmittance % Min.	98	98	--	--



Feed Grade Glycine Specification

Item	Specification
Appearanc	White crystalline powder
Heavy metals(asPb),%	≤20ppm
Heavy metals(asPb),%	≤0.2
Sulphate(asSo4),%	≤65ppm
Iron(as Fe)	≤10ppm
Arsenic(asAs),%	≤1ppm
Lead(asPb),%	≤1ppm
Mercury	≤0.1ppm
Cadmium(Cd)	≤1ppm
Assay(C ₂ H ₅ NO ₂),%HPLC	≥ 98.5
Dioxine+ Dioxinlike PCB(SUM)·%	≤15ng/kg
Non-dioxine-like PCB	≤10ug/kg
Dioxine	≤1.0ng/kg



Feed Grade Glycine Application



1. Mainly used as the edible feed additive attractant to increase the amino acid for the poultry and the livestock especially for pets.
2. Being used as the additive & potentiating agent for the hydrolyzed protein.



Technical Grade Glycine Specification

Items	Specification
Characters	White crystalline powder
Solubility	Free soluble in water and clear
Assay (C ₂ H ₅ NO ₂), %	98.5% Min
Loss on drying, %	≤0.30
Chloride,%	≤0.40
Iron, ppm	≤30
Residue on ignition,%	≤0.10
PH	5.5---7.0



Technical Grade Glycine Application



The industrial grade is mainly used :

1. inorganic synthesis
2. metal complex.
3. Main raw material of herbicide glyphosate;
4. PH regulator



Food Grade Glycine Specification

Items	Standard
Assay,%	98.5~101.5
Identification	Infrared Absorption
Loss on drying,%	≤0.2
Residue on ignition ,%	≤0.1
Chloride, %	≤0.007
Sulfate ,%	≤0.0065
Heavy metals, %	≤0.002
PH value	5.5~7.0
Organic volatile impurities	Meets the requirements



Food Grade Glycine Application



Food grade Glycine is mainly used as nutritional supplement and food additives.

1. Preserve and improve flavor of food, remove bitter taste.
2. As buffer and corrective for tart flavor in beverage and liquor, additive in preserved vegetables, soy sauce and fruit juice.
3. As stabilizer in cream, margarine, noodles etc.



Pharmaceutical Grade Glycine Specification

Items	Standard
Assay,%	98.5~101.5
Identification	Infrared Absorption
Loss on drying,%	≤0.2
Residue on ignition ,%	≤0.1
Chloride, %	≤0.007
Sulfate ,%	≤0.0065
Heavy metals, %	≤0.002
PH value	5.5~7.0
Organic volatile impurities	Meets the requirements



Pharmaceutical Grade Glycine Application



Pharmaceutical grade Glycine is mainly used as :

1. Nutrition transfusion of amino acid
2. Vc stabilizer.