



**Buckton
Scott
Deutschland**

Specification	DATE:	10.09.2024
Glycine	TEST METHOD:	USP 39/ EP8.8/ E640

Item	Specification
Molecular formula Molecular weight	C ₂ H ₅ NO ₂ 75.07
Identification	White crystal powder, tastes sweet, easy to be dissolved in water, slightly dissolved in methanol and ethanol, but not in acetone and ether, Its melting point is between 232-236°C(decomposition)
Appearance Solution appearance Assay (drying basis) Hydrolyzable substances pH value Loss on drying Residue on Ignition Total ash Moisture Sulfate Chloride Heavy metal Lead Cadmium Mercury Arsenic Ammonium Particle size distribution Solubility	White or almost white crystalline powder Clear and not more intensely colored than Y7 98.5% - 101.0% Up to Standard 5.9 - 6.4 ≤0.2% ≤0,1% ≤0.7% ≤0.5% ≤0.0065% ≤0.007% ≤10ppm ≤3ppm ≤1ppm ≤0.1ppm ≤1ppm ≤0.02% Min 90% > 177 microns Freely soluble in water, very slightly soluble in ethanol (96 %).It shows polymorphism.
Identification Tests	
Infrared spectrum A, B, C	Up To Standard Up To Standard
Ninhydrin- positive substances	Total ≤1.0%
Any ninhydrin- positive substance	≤0.1%

INFORMATION ABOVE AS RECEIVED FROM OUR SUPPLIER

INGREDIENTS WORLDWIDE

Buckton Scott Deutschland GmbH
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Amtsgericht Braunschweig
HRB 20 33 17



DE-ÖKO-039
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Broker



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Related substances	
Impurities B	≤0.1%
Impurities H	≤0.1%
Impurities I	≤0.1%
Unspecified impurities	≤0.1%
Total	≤0.2%
Microbiological Limits	
Total aerobic microbial count	≤1000cfu/g
Yeast Mold	≤100cfu/g
Enterobacteriaceae	Negative/10g
Salmonella	Negative/25g
Bacillus cereus	≤100cfu/g
Storage condition	store in a cool, dry, ventilated area
Shelf life	3 years

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