



**Buckton  
Scott  
Deutschland**

Specification	DATE:	01.09.2023
L-Ornithine HCL	TEST METHOD:	AJI

Item	Specification
CAS no.	3184-13-2
Description	White crystals or crystalline powder ,characteristic taste, very soluble in water
Identification (Infrared Absorption)	Corresponding to Reference Spectrum
Solubility(H <sub>2</sub> O,g/100g)	54.5(20°C), 67.7(40°C), 83(60°C)
State of solution	Very soluble in water, practically insoluble in ethanol
Light transmittance	Clear and colorless
Specific rotation [α] <sub>D20°C</sub>	≥98.0%
Assay	+23.0°~+25.0°
pH value	99.0% ~ 101.0%
Loss on drying	4.0 ~ 6.0
Residue on Ignition	≤0.2%
Bulk density	≤0.1%
Sulfate	≥0.5g/ml
Ammonium	≤0.02%
Iron	≤0.02%
Heavy metals	≤10ppm
Lead	≤10ppm
Cadmium	≤1ppm
Mercury	≤0.5ppm
Arsenic	≤0.1ppm
Other amino acids	≤0.5ppm
Residue of Methanol	chromatographically not detectable
Particle size	≤200ppm
	≥95% Pass Through 20 mesh
<b>Microbiological Limits</b>	
Total Plate Count	≤1000cfu/g
Yeasts & molds	≤100cfu/g
E.coli	Negative/1g
Salmonella	Negative/10g
Storage condition	Preserve in tight containers at controlled room temperature

**INFORMATION ABOVE AS RECEIVED FROM OUR SUPPLIER**

## INGREDIENTS WORLDWIDE

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DE-ÖKO-039  
EU/non-EU  
Agriculture



IFS  
Broker



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Packing Shelf life Country of Origin	25kg/drum 2 years China
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