



**Buckton
Scott
Deutschland**

Specification	DATE:	21.08.2024
L-Lysine HCL	TEST METHOD:	FCC10/USP39

Item	Specification
CAS No.	657-27-2
Identification Chromatographic purity	Infrared Absorption Meet the requirement
Appearance	White crystalline powder or crystals
Solubility	Soluble in water, very slightly soluble in alcohol
Assay	98.5% - 101.5%
Specific rotation $[\alpha]_{D25}$	+20.4° ~ +21.4°
pH value	5.4 - 6.0
Loss on drying	≤0.4%
Residue on Ignition	≤0.1%
Sulfate	≤0.03%
Chloride	19.0~19.6
Ammonium	≤0.02%
Iron	≤30ppm
Heavy metals	≤15ppm
Lead	≤3ppm
Cadmium	≤1ppm
Mercury	≤0.1ppm
Arsenic	≤1ppm
Untapped density	0.45 - 0.49g/ml
Tapped density	0.63 - 0.66g/ml
Particle size	NLT 100%through 20mesh NLT 75%through 60mesh
Impurities	
Insoluble foreign matter in amino acids	≤5mg/100g
Individual impurities	≤0.5%
Total impurities	≤2.0%
Microbiological Limits	
Total Plate Count	≤1.000cfu/g
Yeasts	≤50cfu/g
Molds	≤50cfu/g

INFORMATION ABOVE AS RECEIVED FROM OUR SUPPLIER

INGREDIENTS WORLDWIDE

Buckton Scott Deutschland GmbH
Bankplatz 1a
38100 Braunschweig, Germany
Phone +49 (0)5316 183 82-0
E-mail info@bucktonscott.de
www.bucktonscott.de
www.buckton-bio.de

Geschäftsführer Christian Hanke
St.-Nr. 14/213/08018
Amtsgericht Braunschweig
HRB 20 33 17



DE-ÖKO-039
EU/non-EU
Agriculture



Broker



**Buckton
Scott
Deutschland**

E.coli Salmonella	Negative/10g Negative/25g
Storage condition Shelf life	Preserve in tight containers at controlled room temperature 2 years

INFORMATION ABOVE AS RECEIVED FROM OUR SUPPLIER

INGREDIENTS WORLDWIDE

Buckton Scott Deutschland GmbH
Bankplatz 1a
38100 Braunschweig, Germany
Phone +49 (0)5316 183 82-0
E-mail info@bucktonscott.de
www.bucktonscott.de
www.buckton-bio.de

Geschäftsführer Christian Hanke
St.-Nr. 14/213/08018
Amtsgericht Braunschweig
HRB 20 33 17



DE-ÖKO-039
EU/non-EU
Agriculture

