



L-Ornithine Hydrochloride

CAS #	3184-13-2
Formula	$\text{C}_5\text{H}_{13}\text{N}_2\text{O}_2\text{Cl}$
Formular weight	168.6

ITEM	SPECIFICATION	TEST METHOD
Appearance	White Crystalline Powder	Visual exam.
Assay (Titration)*	> 99.0 %	Kyowa manual
pH	5.0 ~ 6.0	USP 34<791>
Specific rotation ([α] _D at 25°C)	+ 24±1°	USP 34<781>
Ammonium	< 200 ppm	USP 34<381>
Arsenic	< 1 ppm	USP 34<211>
Heavy Metal (Pb)	< 10 ppm	USP 34<231>
Residue after ignition	< 0.10 %	USP 34<281>
Loss on drying	< 0.30 %	USP 34<731>
Bulk Density	> 25g/100ml	In house
Tapped Density	> 40g/100ml	In house
Total plate count	< 3x10 ³ cfu/g	3M petrifilm
<i>Coliform bacteria</i>	Negative	3M petrifilm
Yeasts and molds	< 3x10 ²	3M petrifilm

* Perchloric acid titration

Storage: Preserve in tight containers at controlled room temperature.

Packing: 20 kg/ Carton box (Inner packing material: PE)

Analyzed by Joo-Hyun Cho

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