



## CERTIFICATE OF ANALYSIS

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Product	L-ornithine monohydrochloride
Grade	Reagent
Product Code	OB7771
Formula	$C_5H_{13}ClN_2O_2$
MW	168.6
CAS#	3184-13-2
Lot	

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Test Items	Specifications	Results
Appearance	White crystalline powder	
Assay	99.0%-101.0%	
Transmittance	$\geq 98.0\%$	
pH	5.0-6.0 (10%) $H_2O$	
Specific rotation ( $^\circ$ ) $[a]_D^{20}$	$(+23.5) \pm 1.0$ (5.5g/100ml, 6N HCl)	
Loss on drying	$< 0.6\%$	
Residue on ignition	$< 0.10\%$	
Heavy metals	$< 10\text{ppm}$	
As	$< 1\text{ppm}$	
Cl $^-$	20.6%-21.3%	
SO $_4^{2-}$	$< 200\text{ppm}$	
NH $_4^+$	$< 200\text{ppm}$	
Fe $^{3+}$	$< 30\text{ppm}$	

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Storage: Store at room temperature.