

# PURE L-GLUTAMINE



## L-GLUTAMINE

**Pack Size:** 25kg drums  
**Shelf Life:** 2 years in STORAGE in a cool dry area out of direct sunlight  
**Date:** April 2007  
**Specification Standard:** USP

### CONTENTS

Derived From  
 Appearance  
 Identification  
 Loss of Drying  
 Residue on Ignition  
 Heavy Metals  
 Specific Rotation  
 Chloride  
 Particle Size  
 Sulphate  
 Iron  
 Chromatographic Purity  
 PH  
 Arsenic Salt  
 Ammonium salt  
 Assay  
 Conclusion:

### SPECIFICATION

Fermented from Glucose derived of Corn  
 White Crystalline powder, odorless practically insoluble in alcohol & in ether  
 Positive  
 NMT 0.3% ( $\leq 0.3\%$ )  
 NMT 0.10% ( $\leq 0.10\%$ )  
 NMT 10ppm  
 + 6.3° to + 7.3°  
 NMT 0.02% ( $\leq 0.02\%$ )  
 200 mesh (micronised)  
 NMT 0.2% ( $\leq 0.2\%$ )  
 NMT 10ppm  
 NMT 1%  
 4.5 - 6.0  
 NMT 1ppm  
 NMT 0.1%  
 98.5% to 101.5% of C<sub>5</sub>H<sub>10</sub>N<sub>2</sub>O<sub>3</sub>, calculated on the dried basis  
 Conforming to USP

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