



青 岛 润 昌 化 工 有 限 公 司  
QINGDAO SAMIN CHEMICAL CO.,LTD.

## SPECIFICATION

Product Name	L-Glutamic Acid Monohydrochloride
CAS №	138-15-8
Molecular Formular	$C_5H_9NO_4 \cdot HCL$
Specification Version	AJ192
Shelf Life	24months
Package	25kg/drum

### ITEM

Appearance  
Assay  
Specific rotation $[\alpha]_{20/D}$  (C=10,2mol/L HCL)  
State of solution  
(Transmittance)  
Chloride (Cl)  
Ammonium (NH<sub>4</sub>)  
Sulfate (SO<sub>4</sub>)  
Iron (Fe)  
Heavy metal(Pb)  
Arsenic (As<sub>2</sub>O<sub>3</sub>)  
Other amino acids  
Loss on drying  
Residue on ignition(sulfated)  
pH

### SPECIFICATION

White crystals or crystalline powder  
99.0 to101.0%  
+25.2 to +25.8°  
Clear and colorless  
Not less than 98.0%  
19.11 to 19.50%  
Not more than 0.02%  
Not more than 0.020%  
Not more than 10ppm  
Not more than 10ppm  
Not more than 1ppm  
Chromatographically Not detectable  
Not more than 0.50%  
Not more than 0.10%  
1.0 to 2.0

**Storage:** Store in cool and dry place, in a well-close container, keep away from strong light and heat.