

## CM 23203 – L-GLUTAMINE 99%+ CRYSTALLINE

REF NO: TBL/QA/SS/LC/1114	<b>STANDARD SPECIFICATION FOR L-GLUTAMINE 99%+ CRYSTALLINE</b>	Rev. No: 03
Issue No: 04		Review Date: 15/11/2024
Issue Date: 16/11/2021		Product code: 1114

### PRODUCT PROPERTIES

C.A.S Number	56-85-9
Chemical Formula	C <sub>5</sub> H <sub>10</sub> N <sub>2</sub> O <sub>3</sub>
Formula weight	146.14
Functional Uses	L-Glutamic acid has been used to enhance endogenous acetylcholine overflow.
Standard Packaging	25 gm, 100 gm & 500 gm

### PHYSICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Appearance	White crystalline free flowing powder
Solubility	Soluble in water.

### CHEMICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Chloride (Cl)	NMT – 0.005%
Sulphate (SO <sub>4</sub> )	NMT – 0.005%
Calcium (Ca)	NMT – 0.001%
Heavy Metal (Pb)	NMT – 0.0005%
Iron (Fe)	NMT – 0.0005%
Assay	NLT – 99.0%

**NOTE:** Please consult the Material Safety Data Sheet for information regarding hazards and safe handling Practices.

