

## 1807 – CREATINE (MONOHYDRATE)

REF NO: TBL/QA/SS/LC/1807	<b>STANDARD SPECIFICATION FOR CREATINE (MONOHYDRATE)</b>	Rev. No: 03
Issue No: 04		Review Date: 08/11/2024
Issue Date: 09/11/2021		Product code:1807

### PRODUCT PROPERTIES

C.A.S Number	6020-87-7
Chemical Formula	C <sub>4</sub> H <sub>9</sub> N <sub>3</sub> O <sub>2</sub> .H <sub>2</sub> O
Formula weight	149.16
Functional Uses	Creatine (Cr) and phosphocreatine (PCr) are involved with rapid ATP production primarily in skeletal muscle tissue via the action of creatine kinase(s). Creatine may be used as a supplement to study its uptake mechanism and metabolism of action.
Standard Packaging	25 gm & 100 gm

### PHYSICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Appearance	White Crystalline powder, odorless.

### CHEMICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Loss on Drying	NMT – 12.0%
Residue on Ignition	NMT – 0.1%
Melting Point	292 – 297°C
Heavy Metals (Pb)	NMT – 10 ppm
Arsenic (As)	NMT – 1ppm
Assay	NLT – 99.0%

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

