

## 3147 – 5-FLUOROURACIL

REF NO: TBL/QA/SS/LC/3147	STANDARD SPECIFICATION FOR 5-FLUOROURACIL	Rev. No: 03
Issue No: 04		Review Date: 14/11/2024
Issue Date:15/11/2021		Product code: 3147

### PRODUCT PROPERTIES

C.A.S Number	51-21-8
Chemical Formula	C <sub>4</sub> H <sub>3</sub> FN <sub>2</sub> O <sub>2</sub>
Formula weight	130.08
Functional Uses	5-Fluorouracil has been used to induce apoptosis in cells. It has been used as a chemo sensitizing agent.
Standard Packaging	1 gm. & 5 gm.

### PHYSICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Appearance	White to practically white crystalline powder
Solubility	Sparingly soluble in water.

### CHEMICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Melting point	282 – 286°C
Residue on ignition	NMT – 0.1%
Heavy Metals(Pb)	NMT – 0.002%
Assay	99.0 – 102.0%

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

