

2197– 1, 10, PHENANTHROLINE (MONO), AR GRADE

REF NO: TBL/QA/SS/LC/2197	STANDARD SPECIFICATION FOR 1, 10, PHENANTHROLINE (MONO), AR GRADE	Rev. No: 03
Issue No: 04		Review Date: 14/11/2024
Issue Date: 15/11/2021		Product code: 2197

PRODUCT PROPERTIES

C.A.S Number	5144-89-8
Chemical Formula	$C_{12}H_8N_2 \cdot H_2O$
Formula weight	198.22
Functional Uses	1,10-Phenanthroline monohydrate has been used as an inhibitor of metalloproteinase (MMP) in MDA-MB-231 breast cancer cells
Standard Packaging	5 gm, 25 gm.

PHYSICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Appearance	White crystalline powder.

CHEMICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Melting Point	88 – 101°C
Assay	NLT – 99.0%

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

