

2198– 1, 10 PHENANTHROLINE HYDROCHLORIDE, AR GRADE

REF NO: TBL/QA/SS/LC/2198	STANDARD SPECIFICATION FOR 1, 10 PHENANTHROLINE HYDROCHLORIDE, AR GRADE	Rev. No: 03
Issue No: 04		Review Date: 14/11/2024
Issue Date: 15/11/2021		Product code: 2198

PRODUCT PROPERTIES

C.A.S Number	3829-86-5
Chemical Formula	C ₁₂ H ₉ ClN ₂
Formula weight	234.69
Functional Uses	1,10-Phenanthroline forms a stable complex with Fe(II) ion called ferroin, which is used as an indicator in Fe(II) salt titrations.
Standard Packaging	5 gm. & 25 gm.

PHYSICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Appearance	Colorless crystals.

CHEMICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Melting point	224 - 227°C
LOD (at 105°C)	NMT – 8.0%
Sulphated Ash	NMT – 0.2%
Assay	NLT - 99.0 %

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

