

**CERTIFICATE OF ANALYSIS**  
**QUALITY CONTROL LABORATORY**

 of SDFCL Mfg. Unit No. 1  
 E27/ E28, MIDC, Tarapur Industrial Area, B-Road, Boisar-401506, Maharashtra

<b>LAB. ID</b>	: RM/2122/0613	<b>CERTIFICATE NO.</b>	: 280721/09
<b>NAME OF PRODUCT</b>	: 1,10-PHENANTHROLINE (MONOHYDRATE) AR (R.I.)	<b>DATE OF ANALYSIS</b>	: 16.08.2021
<b>BATCH NO</b>	: H21A/0921/2807/31	<b>SPECIFICATION REF.</b>	: 20187SP02
<b>PRODUCT CODE</b>	: 20187	<b>RETEST DATE</b>	: JULY-2026
<b>MFG. DATE</b>	: AUGUST-2021		

CASR NO. : (5144-89-8)

 $C_{12}H_8N_2 \cdot H_2O$ 

M.W. : 198.22

TEST	SPECIFICATIONS	RESULTS	TEST METHOD REF.
Description	White crystals or crystalline powder, becoming cream coloured on storage.	Complies.	SDFCL-TAR-GTP -001
Solubility	Slightly soluble in water, soluble in ethanol.	Complies	SDFCL-TAR-GTP -004
Minimum Assay (Non- aqueous)	99.5%	100.3%	SDFCL-TAR-SWP-GEN41
Melting Point	Not below 98°C	99.2°C	SDFCL-TAR-GTP -015
Minimum Sensitivity as Reagent for Iron	Equivalent to a molar absorptivity of 11,700 for the ferrous complex.	11720	SDFCL-TAR-SWP-GEN41
Sensitivity as Redox Indicator	Passes test.	Complies	Analar 8 <sup>th</sup> Edition
Solution	Passes test.	Complies	Analar 8 <sup>th</sup> Edition
Sulphated ash	Max. 0.05%	0.04%	Analar 8 <sup>th</sup> Edition

THE ABOVE BATCH MATERIAL COMPLIES WITH THE PRESCRIBED QUALITY OF THE STANDARD AS STATED ABOVE.

Measured values given in this Certificate of Analysis are the results determined at the time of Analysis.

The above data do not relieve the user from analysing the product upon receipt. Any legally binding assurance regarding the suitability of the product for any particular purpose or use can not be derived thereof.

**The results relate only to the sample tested.**

**This certificate shall not be reproduced except in full, without written consent of the Lab. management.**

**This product is manufactured at our manufacturing unit no. 1 (Boisar).**

For S D FINE-CHEM LIMITED

<b>Sampling SOP No.</b>	: SDFCL-TAR-SWP-GEN-007
<b>Sampling Plan</b>	: A (Sq. root of N+1)
<b>Spl. Ref. (if any)</b>	: -

(Authorised Signatory)

..... END OF REPORT .....

(This is a computer printed report, valid without signature)