



Alpha Chemika



ISO 9001 QUALITY SYSTEM CERTIFIED ORGANIZATION

Mohoid Heights, Unit No.5, 4th Floor, Lokhandwala RTO Rd, Off 4 Bunglows, Opp. Versova Tel Exchange, Andheri(W), Mumbai-400053

Tel.: 91-22-65218147 / 40165752 / 26362214 / 40165753

Fax.: 91-22-26317055

Mobile: + 91 98 20 38 57 57

E-mail: tanmay12@airtelmail.in

Website: www.exporterlabchemicals.com

CERTIFICATE OF ANALYSIS

Name Of Item : 1,10-PHENANTHROLINE AR

Formula : $C_{12}H_8N_2 \cdot H_2O$

(monohydrate)

M.W. : 198.23

Batch No. : P0151

CAS NO. : 5144-89-8

Cat. No. : AL0390

Date Of Mfg. :

Date of Analysis :

Type Of Test	Standard	Observed
Description	White needle shaped crystals	White needle shaped crystals
Assay	(Min.) 99.5%	99.89%
Molar absorptivity of Fe complex	minimum 11700	11700
Sensitivity of iron	1:10,000,000	1:10,000,000
Melting point (on dried substance)	117-120°C	118 °C
Sulphated ash	<0.05%	0.048%

Results : The above product complies with AR grade

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