

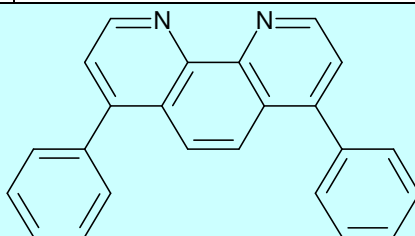


SDFCL
s d fine-chem limited
Quality Control Dept.



Product Specification

E Control	QC2\DATAD\D:\PS\20416XPS.xls
PRODUCT CODE	20416
PRODUCT NAME	BATHOPHENANTHROLINE AR (Reagent for colorimetric determination of iron)
SYNONYMS	(4,7-Diphenyl-1,10-phenanthroline)
C.I. NO.	--
CASR NO.	(1662-01-7)
ATOMIC OR MOLECULAR FORMULA	C ₂₄ H ₁₆ N ₂
ATOMIC OR MOLECULAR WEIGHT	332.41
PROPERTIES	---



PARAMETER	LIMIT
Description	A tinted or white fine crystalline powder.
Solubility	0.1% Solution in methanol is clear and bright.
Minimum Assay (Non-aqueous)	99.5%
Sensitivity as reagent for Iron (Molar Absorptivity of Ferrous Complex 22,000 min.)	Passes test.
Sulphated ash	Max.0.1%
MAXIMUM LIMIT OF IMPURITIES	
--	--

Note(s) : 1) Assay (if applicable) method mentioned.

2) An extremely sensitive reagent for the photometric determination of traces of iron (II)

WARNING Hazard statements: Not hazardous. No hazards. Precautionary statements Prevention: ----- Response: ----- Disposal:	IMDG Code :-- UN No. :-- IATA :--
---	---

Hazard Pictogram(s) :--

Prepared By :	Checked By:	Approved By:	Issue Date : 01.07.2002
Name/Dept. : Officer (Q.A.)	Name/Dept.:Incharge(Q.A.)	Name/Dept. : Incharge (Tech.)	Revision No.: 01
Sign. :	Sign. :	Sign. :	Revision dt. : 02.04.2010
Date : 01.04.2010	Date : 01.04.2010	Date : 02.04.2010	AMEND NO. :1554

