

PRODUCT IDENTITY

PRODUCT NAME	3,4,7,8-Tetramethyl-1,10-phenanthroline	PRODUCT NUMBER	T122871
Grades & Purity	≥98%(HPLC)	VERSION	3
CAS NUMBER	1660-93-1	FORMULA	C ₁₆ H ₁₆ N ₂
FORMULA WEIGHT	236.31g/mol		

ACCEPTANCE CRITERIA

PARAMETER	SPECIFICATION / LIMIT
Purity(Titration by HClO ₄)	97.5-102.5 (%)
Purity(HPLC)	98-100 (%)
Appearance (T122871)	White to light orange powder,crystals and/or chunk
Proton NMR spectrum	Conforms to Structure
Solubility in 95% EtOH , Colorless to Brown-Yellow Clear to Hazy 50mg/ml	pass
Solubility in hot MeOH	almost transparency