

Chem-Impex International, Inc.

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Certificate of Analysis

Catalogue Number	24168
Lot Number	000052-10163231
Product	(S)-(+)-3,4,8,8a-Tetrahydro-8a- (S)-(+)-9-Methyl-5(10)-octaline-1,6-dione Wieland-miescher ketone
CAS Number	33878-99-8
Molecular Formula	C ₁₁ H ₁₄ O ₂
Molecular Weight	178.23

Appearance	Tan crystalline powder
Melting Point	50.0-51.5 °C
Optical Rotation	+98.9° (C=1 in Benzene)
Purity by GC	99.6%
Purity by HPLC	98.8%
Chiral Purity	99.9% (ee)
Storage	Store at 0-8 °C
Remarks	See material safety data sheet for additional information For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



Bala Kumar
Quality Control Manager