Chem-Impex International, Inc.

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Shipping and Correspondence: Manufacturing site:

Wood Dale, IL 60191 Wood Dale, IL 60191

Certificate of Analysis

Catalogue Number 21333

Lot Number 003183-0821-01

Product Harmalol hydrochloride dihydrate

1-Methyl-7-hydroxy-3,4-dihydro- β -carboline hydrochloride dihydrate

825 Dillon Drive

CAS Number 6028-00-8

Molecular Formula C₁₂H₁₂N₂O•HCl•2H₂O

Molecular Weight 272.73

Appearance Yellow powder

Solubility Clear solution in DMSO and Methanol

Melting Point 262.6 - 263.3 °C

¹**H NMR** Conforms to structure

Purity by HPLC 99.79%

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

935 Dillon Drive

Quality Control Manager