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-CERTIFICATE OF ANALYSIS-

Product: N,N'-Di(1-naphthyl)-N,N'-diphenyl-(1,1'-biphenyl)-4,4'-diamine

Code Number: OR51012

CAS Number: 123847-85-8

Formula: C44H32N2

Batch Number: AS501162

Appearance: White to yellow solid

Purity $\geq 98.0\%$ (NMR)

Identity: ¹H NMR consistent with structure

Verified by: David Parton

Signed: --Digital document, no signature required--