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-CERTIFICATE OF ANALYSIS-

| Product: | 3,3'-Bis(trifluoromethyl)-[1,1'-biphenyl]-4,4'-diamine |
|-----------------|--|
| Code Number: | PC3086M |
| CAS Number: | 346-88-3 |
| Formula: | C14H10F6N2 |
| Batch Number: | AS432541 |
| Appearance: | Off-white solid |
| Melting Point: | 117.1-118.3 degrees C |
| Purity by GC: | 99.1% by area |
| Purity by HPLC: | 99.7% by area |
| Identity: | IR conforms to structure |

Verified by: David Parton

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