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## **-CERTIFICATE OF ANALYSIS-**

Product: (S)-3,3'-Bis(4-nitrophenyl)-1,1'-binaphthyl-2,2'-diyl hydrogenphosphate

Code Number: OR340031

CAS Number: 878111-16-1

Formula: C<sub>32</sub> H<sub>19</sub> N<sub>2</sub> O<sub>8</sub> P

Batch Number: AS465419

Appearance: Light yellow solid

Purity by HPLC: 98.53%

Identity: <sup>1</sup>H-NMR conforms to structure

Verified by: David Parton

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