

Apollo Scientific Ltd  
Whitefield Road, Bredbury,  
Stockport, SK6 2QR, UK.  
Tel:44(0)161 406 0505 Fax:44(0)161 406 0506  
e-mail: QCDept@apolloscientific.co.uk



## **-CERTIFICATE OF ANALYSIS-**

Product: Biphenyl-4-boronic acid, pinacol ester

Code Number: OR15024

CAS Number: 144432-80-4

Formula: C<sub>18</sub>H<sub>21</sub>BO<sub>2</sub>

Batch Number: AS478811

Appearance: White solid

Melting Point: 109.0 - 111.0 degrees C

Purity by HPLC: 98.3% by area

Purity: 98.0% (1H-NMR)

Identity: 1H-NMR conforms to structure

Verified by: David Parton

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