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-CERTIFICATE OF ANALYSIS-

Product: 1,4-Bis(diphenylphosphino)butane

Code Number: OR315705

CAS Number: 7688-25-7

Formula: C₂₈H₂₈P₂

Batch Number: AS516376

Appearance: White crystalline solid

Melting Point: 134.7 - 136.4 degrees C

Identity: ¹H NMR conforms to
structure

Verified by: David Parton

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