

# Chem-Impex International, Inc.

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## Certificate of Analysis

|                          |  |
|--------------------------|--|
| <b>Catalogue Number</b>  | 31475  |
| <b>Lot Number</b>        | 002934-1904183783  |
| <b>Product</b>           | <b>Brettphos</b>   |
|                          | 2-(Dicyclohexylphosphino)3,6-dimethoxy-2',4',6'-triisopropyl-1,1'-biphenyl |
| <b>CAS Number</b>        | 1070663-78-3   |
| <b>Molecular Formula</b> | C <sub>35</sub> H <sub>53</sub> O <sub>2</sub> P                           |

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|                           |                       |
|---------------------------|-----------------------|
| <b>Appearance</b>         | Off-white solid       |
| <b>Melting Point</b>      | 187 - 195 °C          |
| <b><sup>1</sup>H NMR</b>  | Conforms to structure |
| <b><sup>31</sup>P NMR</b> | Conforms to structure |
| <b>Purity by HPLC</b>     | 98.4%                 |
| <b>Storage</b>            | Store at 0-8 °C       |

|                |  |
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| <b>Remarks</b> | See material safety data sheet for additional information<br>For laboratory use only |
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The foregoing is a copy of the Certificate of Analysis as provided by our supplier



**Bala Kumar**  
Quality Control Manager