Certificate of Analysis

Product Name: 1,4-Bis(diphenylphosphino)butane-

Size: 100 mesh

Catalog Number: PA2435

Date: 08/14/2023

| Purity | wt% |
|---------------|-----|
| C28H28Cl2P2Pd | 95 |

Note 1: Values are given in ppm unless otherwise specified

Note 2: All Figures above are weight for weight as determined by ICP