



# CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-229630  
Lot Number: SAMPLE  
Product Name: Tris(4-methoxy-3,5-dimethylphenyl)phosphine  
CAS Number: 121898-64-4  
Molecular Formula:  $C_{27}H_{33}O_3P$   
Molecular Weight: 436.52

| Test                               | Specification                          | Result                    |
|------------------------------------|----------------------------------------|---------------------------|
| Appearance                         | White to beige solid, powder, crystals | White powder              |
| Identification (1H-NMR)            |                                        | Consistent with structure |
| Identification (13C-NMR)           |                                        | Consistent with structure |
| Identification (31P-NMR)           |                                        | Consistent with structure |
| Identification (Infrared Spectrum) |                                        | Consistent with structure |
| Purity (HPLC)                      | $\geq 96.5\%$                          | 97.8%                     |
| Melting Point                      |                                        | 175.0 - 178.0 °C          |
| Carbon Content                     |                                        | 74.28%                    |

Satisfaction Guarantee: We appreciate your business and are committed to providing the highest level of quality and service. Any product that does not meet the performance standards indicated in our product literature will be replaced at no charge. Our policy is valid for one year from the date of your purchase.

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