



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-287614
Lot Number: SAMPLE
Product Name: 2-(Diphenylphosphino)terephthalic acid 1-methyl 4-pentafluorophenyl diester
CAS Number:
Molecular Formula: $C_{27}H_{16}F_5O_4P$
Molecular Weight: 530.38

Test	Specification	Result
Appearance	White to tan solid, powder, crystals	Yellow powder
Identification (1H -NMR)	Consistent with structure	Complies
Identification (^{13}C -NMR)	Consistent with structure	Complies
Identification (^{19}F -NMR)	Consistent with structure	Complies
Identification (^{31}P -NMR)	Consistent with structure	Complies
Identification (Infrared Spectrum)	Consistent with structure	Complies
Purity (HPLC)	$\geq 96.5\%$	99.9%
Melting Point		109.2 - 110.3 °C by DSC
Carbon Content	59.0% - 63.3%	61.16%

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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