



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-364589
Lot Number: SAMPLE
Product Name: Pimelic Diphenylamide 106
CAS Number: 937039-45-7
Molecular Formula: $C_{20}H_{25}N_3O_2$
Molecular Weight: 339.43

Test	Specification	Result
Identification (Infrared Spectrum)	Consistent with standard	Complies
Identification (Mass Spectrometry - ESI)	M-H+: 338.3	Complies
Purity (HPLC)	> 98%	100.0% Retention Time Actual: 5.10 min
Purity (TLC)	> 98%	100.0% Rf: 0.64
Melting Point	158 - 171 °C	162 - 167 °C
UV/Visible Spectrum	λ_{max} 1: 205 nm λ_{max} 2: 243 nm λ_{max} 3: 288 nm	Complies

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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