



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-230692
Lot Number: SAMPLE
Product Name: 2,2-Di(4-tert-octylphenyl)-1-picrylhydrazyl, free radical
CAS Number: 84077-81-6
Molecular Formula: $C_{34}H_{44}N_5O_6$
Molecular Weight: 618.74

Test	Specification	Result
Appearance (Color)	Black or blue-black or black	Black
Appearance (Form)	Crystals or crystalline powder and/or chunks	Crystalline powder
Identification (Infrared Spectrum)	Consistent with structure	Complies
Absorption Excitation (1)	526 - 534 nm	531 nm
Extinction Coefficient (1)	≥ 9000	12733
Absorption Excitation (2)	335 - 343 nm	339 nm
Extinction Coefficient (2)	≥ 11000	14618
Carbon Content	65.0% - 66.5%	66.1%
Nitrogen Content	10.0% - 11.5%	11.1%

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.

Santa Cruz Biotechnology, Inc. 800.457.3801 831.457.3800 fax 831.457.3801 Europe +00800 4573 8000 49 62221 4503 0 www.scbt.com