



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-228875
Lot Number: SAMPLE
Product Name: Octanal 2,4-dinitrophenylhydrazone
CAS Number: 1726-77-8
Molecular Formula: $C_{14}H_{20}N_4O_4$
Molecular Weight: 308.33

Test	Specification	Result
Appearance	Faint yellow to yellow powder	Yellow powder
Identification (1H -NMR)	Consistent with structure	Complies
Purity (Elemental Analysis)	$\geq 98.5\%$ (N)	100.33% (N)
Purity (HPLC)	$\geq 98.5\%$	98.7%
Melting Point	98 - 101 °C	99 °C
Carbon Content	54.54%	54.33%
Hydrogen Content	6.54%	6.62%
Nitrogen Content	18.17%	18.23%

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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