



# CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-486245  
Lot Number: SAMPLE  
Product Name: trans-2-Dodecenal  
CAS Number: 20407-84-5  
Molecular Formula:  $C_{12}H_{22}O$   
Molecular Weight: 182.31

Test	Specification	Result
Appearance	Colorless to pale yellow liquid	Colorless liquid
Identification (Infrared Spectrum)	Consistent with structure	Complies
Purity (GC)	$\geq 95\%$	95.8%
Specific Gravity	0.839 - 0.849 at 25 °C	0.846
Refractive Index (n <sub>20/D</sub> )	1.454 - 1.460	1.459
Impurity	Alpha-Tocopherol: 0.05 - 0.50%	0.45%
Arsenic	$\leq 3$ ppm	$< 1$ ppm
Cadmium	$\leq 1$ ppm	$< 1$ ppm
Lead	$\leq 10$ ppm	$< 1$ ppm
Mercury	$\leq 1$ ppm	$< 1$ ppm

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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