



The Power to Question

# CERTIFICATE OF ANALYSIS

Catalog Number: sc-267631  
Lot Number: SAMPLE  
Product Name: 4-Methyl-2-phenyl-2-pentenal, (E)+(Z)  
CAS Number: 26643-91-4  
Molecular Formula:  $C_{12}H_{14}O$   
Molecular Weight: 174.24

| Test                                  | Specification                              | Result              |
|---------------------------------------|--------------------------------------------|---------------------|
| Appearance                            | Colorless to yellow liquid                 | Light yellow liquid |
| Identification (Infrared Spectrum)    | Consistent with structure                  | Complies            |
| Purity (GC)                           | $\geq 88.0\%$                              | 91.8%               |
| Color (APHA)                          | $\leq 500$                                 | < 300               |
| Refractive Index (n <sub>20</sub> /D) | 1.533 - 1.539                              | 1.536               |
| Acid Value                            | $\leq 10$ mL                               | 2.8 mL              |
| Stabilizer                            | 0.05 - 1.00% (alpha-tocopherol, synthetic) | 0.54%               |
| Arsenic                               | $\leq 3.0$ ppm                             | < 1.0 ppm           |
| Cadmium                               | $\leq 1.0$ ppm                             | < 1.0 ppm           |
| Lead                                  | $\leq 10.0$ ppm                            | < 1.0 ppm           |
| Mercury                               | $\leq 1.0$ ppm                             | < 1.0 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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