



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-496622
Lot Number: SAMPLE
Product Name: 4,5-Dimethyl-3-hydroxy-2(5H)-furanone
CAS Number: 28664-35-9
Molecular Formula: $(^{13}\text{C})\text{C}_8\text{H}_{10}\text{O}_2$
Molecular Weight: 128.13

Test	Specification	Result
Appearance	Colorless to very dark yellow and colorless very dark orange liquid or solid	Light yellow liquid
Identification (Infrared Spectrum)	Consistent with structure	Complies
Purity (GC)	$\geq 97.0 \%$	99.1 %
Solubility	Clear and colorless to yellow solution at 5% in EtOH	Colorless and clear solution
Refractive Index (n _{20/D})	1.488 - 1.496	1.495
Arsenic	$\leq 3 \text{ PPM ICP}$	$< 1 \text{ PPM}$
Cadmium	$\leq 1 \text{ PPM ICP}$	$< 1 \text{ PPM}$
Lead (ICP)	≤ 10	< 1
Mercury	$\leq 1 \text{ PPM ICP}$	$< 1 \text{ PPM}$

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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