



# CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-280787  
Lot Number: SAMPLE  
Product Name: Hydantoic Acid-13C, 15N Ethyl Ester  
CAS Number: 6293-20-5 (unlabeled)  
Molecular Formula:  $C_4(^{13}C)H_{10}N(^{15}N)O_2$   
Molecular Weight: 148.13

Test	Specification	Result
Appearance	White to off-white solid	Complies
Assay (qNMR)	$\geq 90.0\%$	99.3%
Identification (1H-NMR)	Consistent with structure	Complies
Identification (Infrared Spectrum)	Consistent with structure	Complies
Identification (Mass Spectrometry)	Consistent with structure	Complies
Isotopic Enrichment	$\geq 98.0\%$	99.0% $^{13}C$ ; 99.0% $^{15}N$
Purity (HPLC)	$\geq 95.0\%$	99.4%
Elemental Analysis	Conforms to structure	Complies
Impurity		RT 2.75, 0.32%; RT 15.48, 0.23% (by HPLC)

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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