



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-234825
Lot Number: SAMPLE
Product Name: DL-Lysine-4,4,5,5-d4 dihydrochloride
CAS Number: 284664-88-6
Molecular Formula: $C_6H_{10}D_4N_2O_2 \cdot 2HCl$
Molecular Weight: 223.13

Test	Specification	Result
Appearance	White powder	Complies
Identification (D-NMR)	Consistent with structure and purity	Complies
Identification (1H -NMR - FT)	Consistent with structure and purity	Complies
Identification (Mass Spectrometry)	Consistent with structure	Complies
Purity (HPLC)	$\geq 99\%$	99.3%
Purity (Mass Spectroscopy)	≥ 98 atom% D	99.2 atom% D
Hydrogen Chloride	1.5 - 2.5 HCl	2.4 HCl
Water Content	$\leq 0.5\%$	0.19%

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.

Santa Cruz Biotechnology, Inc. 800.457.3801 831.457.3800 fax 831.457.3801 Europe +00800 4573 8000 49 62221 4503 0 www.scbt.com