



NEWMIND
47 W. Polk St. STE 100-241
Chicago, IL 60605

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CERTIFICATE OF ANALYSIS

D-Cycloserine

(R-4-Amino-3-isoxazolidinone)

Material Lot #: 17020804
Country of Origin: China

Manufacture Date: 02/08/2017
Retesting Date: 02/07/2019

Analysis	Claim	Result
D-Cycloserine	>90.0%	>98.49%

Test	Claim	Result
Appearance	White to yellow crystalline powder.	Conforms
Solubility	Soluble in water	Conforms
Melting Point	108°-114°C	110.29°C
pH	5.5-6.5	6.12
Loss on Drying	≤ 0.8%	0.17%
Residue on Ignition	≤ 0.5%	0.08%

D-Cycloserine should be stored at or below room temperature in a tightly sealed durable container.
D-Cycloserine should be protected from excess heat, direct sunlight, excess humidity and moisture.
D-Cycloserine has a stable shelf life of 3 years from the date of testing when properly stored.




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Product Name	D-Cycloserine	Client Lot Number	17020804
Report Date	04/28/17	Laboratory #	8541

Test	Method	Result
Identification	H-NMR	Conforms
Assay	HPLC-UV	97.5%
Lead	ICP-MS USP <730>	0.028 ppm
Arsenic	ICP-MS USP <730>	0.039 ppm
Cadmium	ICP-MS USP <730>	0.002 ppm
Mercury	ICP-MS USP <730>	0.004 ppm

Collin Thomas 
Laboratory Manager

04/28/2017 
Date

1H NMR of D-cycloserine
in D2O
Lot # 8541
Colmaric Analytical
400 MHz

Current Data Parameters
NAME Apr25-2017-colmaric
EXPNO 3
PROCNO 1

F2 - Acquisition Parameters
Date_ 20170425
Time 16.10
INSTRUM spect
PROBHD 5 mm PARBO HD-
PULPROG zg30
TD 32768
SOLVENT D2O
NS 32
DS 0
SWH 5200.333 Hz
FIDRES 0.158946 Hz
AQ 3.1457281 sec
RG 45.3
DW 96.000 usec
DE 25.61 usec
TE 298.0 K
D1 1.5000000 sec
TD0 1

----- CHANNEL f1 -----
NUC1 1H
P1 11.38 usec
PL1 -2.50 dB
PL1F 18.35869598 W
SFO1 400.1320007 MHz

F2 - Processing parameters
SI 32768
SF 400.1300065 MHz
WDW EM

