



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

liftmode@liftmode.com
www.liftmode.com

CERTIFICATE OF ANALYSIS

Hordenine HCL (4-[2-(dimethylamino)ethyl]phenol)

Material Lot #: 151201 Manufacture Date: 12/24/2015
Country of Origin: China Expiration Date: 12/23/2017

Analysis	Claim	Result
Hordenine HCL	≥98%	99.7%

Test	Specification	Result
Appearance	White powder	Complies
Loss on Drying	<3.0%	0.2%
Residue on Ignition	<3.0%	0.1%
Any Single Impurity	<0.5%	Complies
Heavy Metals (µg/g)	<10 ppm	Complies
Arsenic	<2.0 ppm	0.233 ppm
Lead	<2.0 ppm	0.964
Cadmium	<1.0 ppm	0.003
Mercury	<1.0 ppm	0.001
Total Plate Count	<1000 cfu/g	Complies
Mould and Yeast	<100 cfu/g	Complies
Coliform	<10 cfu/g	Complies
Salmonella	Negative Result	Complies
E. Coli	Negative Result	Complies
Staphylococcus	Negative Result	Complies
Pseudomonas aeruginosa	Negative Result	Complies

Conforms to Standard



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Laboratory Number: 6701

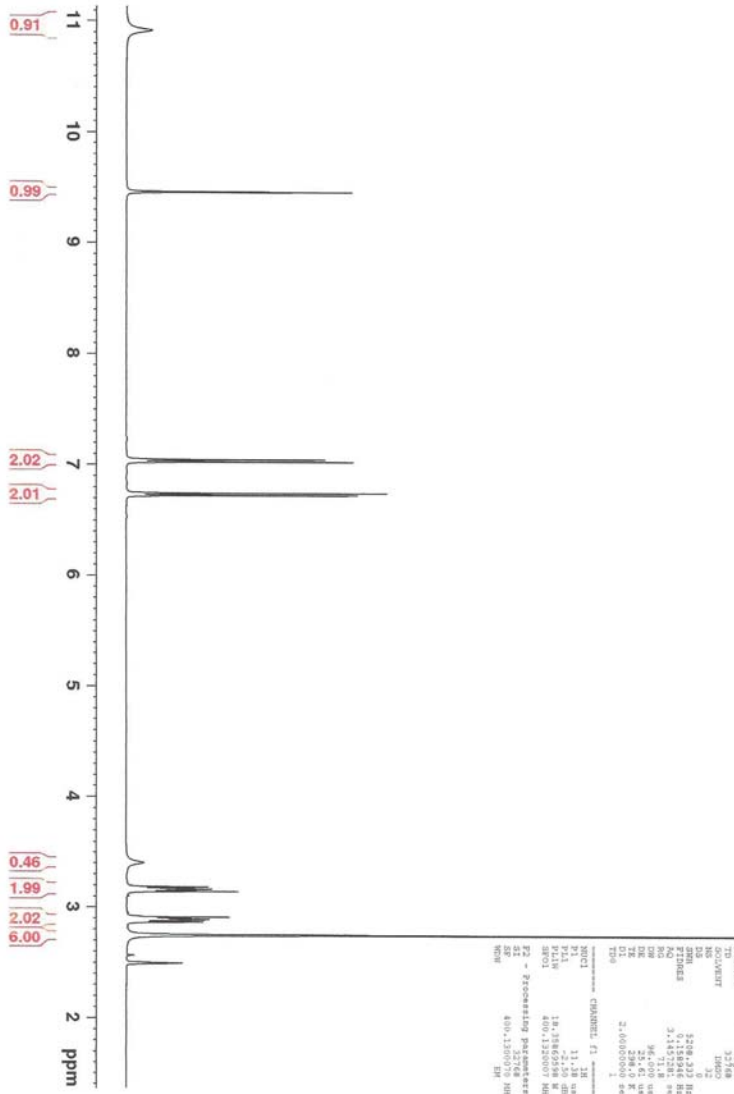
Product Name	Hordenine HCL	Client Lot Number	151201
Report Date	03/15/16	Order #	SNT_0129

Test	Method	Result
Identification	H-NMR	Conforms
Assay	HPLC	99.7%
Heavy Metals	ICP-MS	ppm
Arsenic	ICP-MS	0.233
Cadmium	ICP-MS	0.003
Lead	ICP-MS	0.964
Mercury	ICP-MS	0.001

Collin Thomas *CT*
Laboratory Manager

03/15/2016 *3/15/16*
Date

¹H NMR of Hordenine HCl
 In DMSO
 Lot #6701
 400 MHz
 Colmaric Analytical
 03-09-16



Current Data Parameters
 Name: NMR0-2016-colmaric
 Date_: 20160309
 Time: 11:25:48
 P1: 1
 P2: Acquisition Parameters
 Date_: 20160309
 Time: 11:25:48
 P1: 1
 P2: Processing Parameters
 Date_: 20160309
 Time: 11:25:48
 P1: 1
 P2: Processing Parameters
 Date_: 20160309
 Time: 11:25:48