



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 #:	160401	Manufacture Date:	04/13/2016
Country of Origin:	China	Expiration Date:	04/12/2018

Analysis	Claim	Result
Hordenine HCL	≥98%	99.2%

Test	Specification	Result
Appearance	White powder	Complies
Loss on Drying	<3.0%	0.27%
Residue on Ignition	<3.0%	0.14%
Any Single Impurity	<0.5%	Complies
Heavy Metals (µg/g)	<10 ppm	Complies
Arsenic	<2.0 ppm	Complies
Lead	<2.0 ppm	Complies
Cadmium	<1.0 ppm	Complies
Mercury	<1.0 ppm	Complies
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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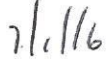
Hordenine HCL

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

Product Name	Hordenine HCL	Client Lot Number	160401
Report Date	07/01/16	Laboratory #	7341

Test	Method	Result
Assay	HPLC	100.4%
Heavy Metals	ICP-MS	ppm
Arsenic	ICP-MS	<0.001
Cadmium	ICP-MS	0.001
Lead	ICP-MS	0.043
Mercury	ICP-MS	0.002
Total Plate Count	AOAC 966.23	<10 CFU/g
Yeast and Mold	FDA BAM	<10<10 CFU/g
Salmonella	AOAC 998.09	Negative
Coliform	AOAC 991.14	<10 CFU/g
E. coli	AOAC 991.14	<10 CFU/g

Collin Thomas 
Laboratory Manager

07/01/2016 
Date