



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

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CERTIFICATE OF ANALYSIS

Emoxypine Succinate (Ethylmethylhydroxypyridine Succinate)

Material Lot #: 17030601 Manufacture Date: 03/06/2017
Country of Origin: China Retesting Date: 03/05/2019

Analysis	Claim	Result
Emoxypine Succinate	>98.0%	>99.65%

Test	Claim	Result
Appearance	Off-white or white crystalline powder.	Conforms
Solubility	Freely soluble in water. Soluble in methanol & alcohol.	Conforms
Light Transmittance	≥95.0%	98.74%
pH	4.0-6.0	4.54
Total Impurities	≤ 1.0%	0.011%
Loss on Drying	≤ 1.0%	0.13%
Residue on Ignition	≤ 0.1%	0.08%
Heavy Metals	≤ 10 ppm	Conforms
Residual Solvents		
Ethanol	≤ 0.5%	0.015%
Isopropanol	≤ 0.5%	N.D.
Ethyl acetate	≤ 0.5%	0.009%

Emoxypine should be stored at or below room temperature in a tightly sealed durable container.
Emoxypine should be protected from excess heat, direct sunlight, excess humidity and moisture.
Emoxypine has a stable shelf life of 2 years from the date of testing when properly stored.



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Product Name	Emoxypine Succinate	Client Lot Number	17030601
Report Date	04/28/17	Laboratory #	8544

Test	Method	Result
Identification	H-NMR	Conforms
Assay	HPLC-UV	99.4%
Lead	ICP-MS USP <730>	0.023 ppm
Arsenic	ICP-MS USP <730>	0.050 ppm
Cadmium	ICP-MS USP <730>	0.004 ppm
Mercury	ICP-MS USP <730>	<0.001 ppm

Collin Thomas *CT*
Laboratory Manager

04/28/2017 *4/28/17*
Date

¹H NMR of Enoxyepine succinate
in DMSO
Lot # 8544
Colmaric Analytical
400 MHz



Current Data Parameters
EXPNO 2
PROCNO 1
PROCNAME gdmr2-01-002
F2 - Acquisition Parameters
Date_ 2012-03-16
Time 12:43
INSTRUM spect
PROBHD 5 mm PRBBO-1H
PULPROG zgpg30
AQ 4.920
RG 320
SFO 400.136097
SOLVENT DMSO
NS 72
DS 2
SWH 3208.312 Hz
FIDRES 0.000444 Hz
AQRES 3.1487281 sec
RG 96.000 sec
SR 24.61 sec
HE 1.5000000 sec
SI 1
TD 1
----- CHANNEL f1 -----
NUC1 13C
P1 1.128 sec
PL1 0.0000000 sec
FLLW 18.3486958 Hz
SFO1 400.136097 MHz
F2 - Processing parameters
SI 1
SF 400.136097 MHz
WDW EM