

NEWMIND
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CERTIFICATE OF ANALYSIS

Tianeptine Hemisulfate Monohydrate

7-[(3-chloro-6,11-dihydro-6-methylbenzo[c,f][1,2]thiazepin-11-yl)amino]heptanoic acid hemisulfate monohydrate

Material Lot#	18012803	Manufacture Date:	01/28/2018
Country of Origin:	China	Retesting Date:	07/30/2021

Analysis	Claim	Result
Assay	≥98%	100.30%

Test	Claim	Result
Appearance	White crystalline powder	Complies
Solubility	Insoluble in water, dichloromethane. Soluble in dimethylformamide	Complies
Identification	IR matches standard & assay tests positive for sulfate ion	Complies

Impurity Test	Claim	Result
Loss on drying	≤5.0%	2.78%
Residue on Ignition	≤0.1%	0.01%
Heavy Metals	≤10ppm	Complies
Any single Impurity	≤0.1%	0.05%
Total Impurities	≤0.4%	0.13%

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



812 Meadowlark Lane, Goodlettsville, TN 37072
Telephone: 615-239-8604

Certificate of Analysis

Synaptent LLC

Product Name	Tianeptine Sulfate	Product Lot Number	18012803
Report Date	07/31/2018	Laboratory Number	10609

Description	Method	Result
Identification	1H NMR	Conforms
Assay	HPLC	99.5 %
Lead	ICP-MS	0.009 ppm
Arsenic	ICP-MS	<0.001 ppm
Cadmium	ICP-MS	0.002 ppm
Mercury	ICP-MS	0.257 ppm

Michael Robil
Michael Robil
QA Auditor

07/31/18
07/31/2018
Date

The result(s) stated in this report is only for the sample submitted. This report may not be reproduced in whole or in part, nor may any reference be made to the work, the result, or the company in any news release, public announcements or advertising without our prior written consent.

1H NMR of Tianeptine Sulfate
in DMSO
Lot #10609
Colmaric Analytical
400 MHz
07-26-18

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Current Data Parameters
NAME      Jul26-2018-colmaric
EXPNO     1
PROCNO    1

F2 - Acquisition Parameters
Date_     20180726
Time      14.11
INSTRUM   spect
PROBHD    5 mm PABBO BB-
PULPROG   zg30
TD         32768
SOLVENT   DMSO
NS         32
DS         0
SWH        5208.333 Hz
FIDRES     0.138946 Hz
AQ         3.1457281 sec
RG         90.5
DW         96.000 usec
DE         25.61 usec
TE         298.0 K
D1         1.3000000 sec
TDO        1

----- CHANNEL f1 -----
NUC1       1H
P1         11.38 usec
PL1        -2.50 dB
PL1W       18.35869598 W
SFO1       400.132007 MHz

F2 - Processing parameters
SI         32768
SF         400.130067 MHz
WDW        EM
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