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

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CERTIFICATE OF ANALYSIS

Tianeptine Sodium

(7-[(3-chloro-6-methyl-5,5-dioxo-11H-benzo[c][2,1]benzothiazepin-11-yl)amino]heptanoic acid sodium salt)

Material Lot#	16090401	Manufacture Date:	09/04/2016
Country of Origin:	China	Retesting Date:	09/03/2018

Analysis	**Claim**	**Result**
Assay	**≥99%**	**100.24%**

Test	**Claim**	**Result**
Appearance	White to yellowish powder, very hygroscopic	Complies
Solubility	Freely soluble in water, methanol, & dichloromethane	Complies
Identification	IR matches standard & gives reaction to sodium	Complies

Impurity Test	**Claim**	**Result**
Impurity A	≤0.1%	Not Detected
Acetidin	≤0.5%	Not Detected
Dichloromethane	≤0.06%	Not Detected
Methanol	≤0.3%	Not Detected
Acetone	≤0.5%	Not Detected
Acetonitrile	≤0.041%	Not Detected
Ethanol	≤0.5%	Not Detected
N, N-dimethylformamide	≤0.088%	Not Detected
Water	≤5.0%	1.99%
Any single Impurity	≤0.1%	0.017%
Total Impurities	≤0.40%	0.043%

Conforms to EP8.0 Standard

Tianeptine Sodium is **very hygroscopic**. Take special care to avoid exposure to humidity. A moisture proof bag is provided.
Store at or below room temperature in a tightly sealed, airtight, durable container, protected from excess heat and direct sunlight.
Tianeptine Sodium has a stable shelf life of 2 years from the date of manufacture when properly stored.

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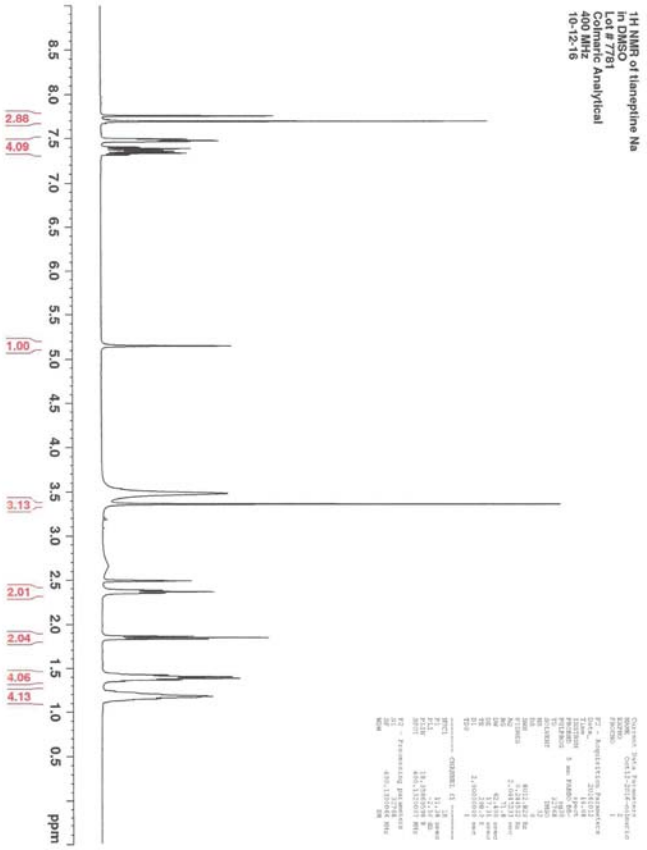
CERTIFICATE OF ANALYSIS

Product Name	Tianeptine Sodium	Client Lot Number	16090401
Report Date	10/14/16	Laboratory #	7781

Test	Method	Result
Identification	Proton NMR	Conforms
Tianeptine Sodium	HPLC	99.4%
Arsenic	ICP-MS USP <730>	<0.001 ppm
Cadmium	ICP-MS USP <730>	<0.001 ppm
Lead	ICP-MS USP <730>	0.018 ppm
Mercury	ICP-MS USP <730>	<0.001 ppm

Collin Thomas
Laboratory Manager

10/14/2016
Date



Tianeptine sodium salt

Material Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Tianeptine sodium

Emergency Contact:
ChemWatch
Within the US & Canada: 877-715-9305
Outside the US & Canada: +800 2436 2255
(1-800-CHEMCALL) or call +613 9573 3112

2. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms : 7-[(3-Chloro-6,11-dihydro-6-methyl-dibenzo[c,f][1 ,2]thiazepine-11-yl)amino]heptanoic acid S,S dioxide sodium salt

Formula : C21H24C|N2NaO4S
Molecular Weight : 458.93 g/mol

CAS-NO.	EC-NO.	Index-No.	Concentration
7-[(3-Ch|oro-6,11-dihydro-6-methy|-dibenzo[c,f][1,2]thiazepine-11-y|)amino]heptanoic acid S,S dioxide sodium salt			
30123-17-2	250-059-3	--	--

3. HAZARDS IDENTIFICATION

Emergency Overview

OSHA Hazards
No known OSHA hazards

HMIS Classification
Health Hazard: 0
Flammability: 0
Physical hazards: 0

NFPA Rating
Health Hazard: 0
Fire: 0
Reactivity Hazard: 0

Potential Health Effects

Inhalation: May be harmful if inhaled. May cause respiratory tract irritation.
Skin: May be harmful if absorbed through skin. May cause skin irritation.
Eyes: May cause eye irritation.
Ingestion: May be harmful if swallowed.

4. FIRST AID MEASURES

If inhaled
If breathed in, move person into fresh air. If not breathing give artificial respiration

In case of skin contact
Wash off with soap and plenty of water.

In case of eye contact
Flush eyes with water as a precaution.

If swallowed
Never give anything by mouth to an unconscious person. Rinse mouth with water.

5. FIRE-FIGHTING MEASURES

Flammable properties no data available

Ignition temperature no data available

Suitable extinguishing media
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special protective equipment for fire-fighters
Wear self contained breathing apparatus for fire fighting if necessary.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions
Avoid dust formation.

Environmental precautions
Do not let product enter drains.

Methods for cleaning up
Sweep up and shovel. Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Handling
Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

Storage
Keep container tightly closed in a dry and well-ventilated place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Contains no substances with occupational exposure limit values. Personal protective equipment

Respiratory protection
Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type PI (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection
For prolonged or repeated contact use protective gloves.

Eye protection
Safety glasses

Hygiene measures
General industrial hygiene practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form	powder

Safety data

pH	no data available
Melting point	no data available
Flash point	no data available
Ignition temperature	no data available
Lower explosion limit	no data available
Upper explosion limit	no data available
Water solubility	no data available

10. STABILITY AND REACTIVITY

Storage stability
Stable under recommended storage conditions.

Materials to avoid
Strong acids, Strong bases

Hazardous decomposition products
Hazardous decomposition products formed under fire conditions. - Carbon oxides, nitrogen oxides (NOx), Sulphur oxides, Hydrogen chloride gas, Sodium oxides

11. TOXICOLOGICAL INFORMATION

Acute toxicity

no data available

Irritation and corrosion no data available

Sensitisation

no data available

Chronic exposure

IARC:	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
ACGIH:	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
NTP:	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA:	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Signs and Symptoms of Exposure

Nausea, Vomiting, Drowsiness, Headache

Potential Health Effects

Inhalation	May be harmful if inhaled. May cause respiratory tract irritation. May be harmful if absorbed through skin. May cause skin irritation. May cause eye irritation.
Skin Eyes	
Ingestion	May be harmful if swallowed.

12. ECOLOGICAL INFORMATION

Elimination information (persistence and degradability)
no data available

Ecotoxicity effects no data available

Further information on ecology no data available

13. DISPOSAL CONSIDERATIONS

Product
Observe all federal, state, and local environmental regulations.

Contaminated packaging
Dispose of as unused product.

14. TRANSPORT INFORMATION

DOT (US)
Not dangerous goods

IMDG
Not dangerous goods

IATA
Not dangerous goods

15. REGULATORY INFORMATION

OSHA Hazards
No known OSHA hazards

DSL Status
This product contains the following components that are not on the Canadian DSL nor NDSL lists.

	CAS-NO.
7-[(3-Chloro-6,11-dihydro-6-methyl-dibenzo[c,f][1,2]thiazepine-11-yl)amino]heptanoic acid S,S dioxide sodium salt	30123-17-2

SARA 302 Components
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components
SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards
No SARA Hazards

Massachusetts Right To Know Components
No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know Components

	CAS-NO.	Revision Date
7-[(3-Chloro-6,11-dihydro-6-methyl-dibenzo[c,f][1,2]thiazepine-11-yl)amino]heptanoic acid S,S dioxide sodium salt	30123-17-2	

New jersey Right To Know Components

	CAS-NO.	Revision Date
7-[(3-Chloro-6,11-dihydro-6-methyl-dibenzo[c,f][1,2]thiazepine-11-yl)amino]heptanoic acid S,S dioxide sodium salt	30123-17-2	

California Prop. 65 Components
This product does not contain any chemicals known to State of California to cause cancer, birth, or any other reproductive defects.

16. OTHER INFORMATION

The above information is believed to be correct but does not purport to be complete and should be used only as a guide. The burden of safe use of this material rests entirely with the user.