

# LIFTMODE

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

## CERTIFICATE OF ANALYSIS

### Centrophenoxine

(2-dimethylaminoethyl (4-chlorophenoxy)acetate hydrochloride)

Material Lot #: 2017018  
Country of Origin: China

Analysis Date: 10/10/2020  
Retesting Date: 10/10/2023

Analysis	Claim	Result
Centrophenoxine	≥98%	99.8%
<b>Test</b>	<b>Specification</b>	<b>Result</b>
HNMR ID	Conforms	Conforms
HPLC Assay	≥98%	99.8%
ICP-MS		
Arsenic	≤1.5 ppm	0.016 ppm
Lead	≤0.5 ppm	0.516 ppm
Cadmium	≤0.5 ppm	0.001 ppm
Mercury	≤0.5 ppm	0.002 ppm
Total Aerobic Count	<1000 cfu/g	Conforms
Yeast & Mold	<100 cfu/g	Conforms
Coliform	<10 cfu/g	Conforms
E.coli	Negative	Conforms
Salmonella	Negative	Conforms



## Certificate of Analysis

**Client:**  
Synaptent LLC  
47 W Polk Street, 100-241  
Chicago, IL 60654

**Sample Collected By:** Client

Product Name	Centrophenoxine	Product Lot Number	2017018
Report Date	10/10/20	Laboratory Number	201011136

Description	Method	Specification	Results
Identification	H-NMR	Conforms	Conforms
Assay	HPLC	NLT 98%	99.8%
Lead	ICP-MS	<0.5 ppm	0.516 ppm
Arsenic	ICP-MS	<0.5 ppm	0.016 ppm
Cadmium	ICP-MS	<0.5 ppm	0.001 ppm
Mercury	ICP-MS	<0.5 ppm	0.002 ppm
Total Aerobic Count	Biolumix	<1,000 cfu/g	<1,000 cfu/g
Yeast & Mold	Biolumix	<100 cfu/g	<100 cfu/g
E. Coli	Biolumix	Absent	Absent
Coliform	Biolumix	<10 cfu/g	<10 cfu/g
Salmonella	Biolumix	Absent	Absent

Collin Thomas  
Laboratory Manager

10/10/2020 10:15/20  
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.

Centrophenoxine should be stored at or below room temperature in a tightly sealed durable container. Centrophenoxine should be protected from excess heat, direct sunlight, excess humidity, and moisture. Centrophenoxine has a retesting period of 3 years from the date of analysis when properly stored.

812 Meadow Lark Lane, Goodlettsville, TN 37072  
Tel: 615-239-8604

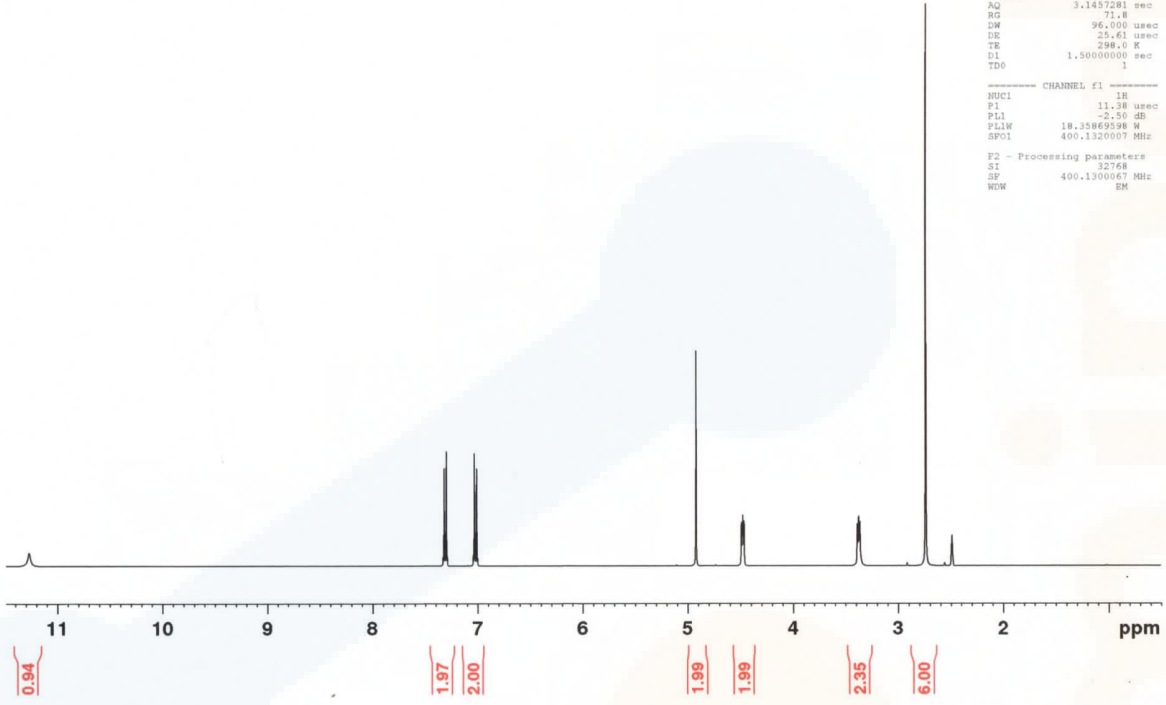
1H NMR of centrophenoxine  
in DMSO  
Lot # 9543  
Colmaric Analytical  
400 MHz  
12-5-17

```
Current Data Parameters
NAME      Dec05-2017-colmaric
EXPNO    4
PROCNO   1

F2 - Acquisition Parameters
Date_    20171205
Time     15:46
INSTRUM  spect
PROBHD   5 mm PABBO BB-
PULPROG  zg30
TD        32768
SOLVENT  DMSO
NS        32
DS        0
SWH       5208.333 Hz
FIDRES    0.158946 Hz
AQ        3.1457281 sec
RG        71.8
DW        96.000 usec
DE        25.61 usec
TE        298.0 K
D1        1.5000000 sec
TD0       1

----- CHANNEL f1 -----
NUC1      1H
P1        11.30 usec
PL1       2.50 dB
PL1W      18.3586939 W
SFO1      400.1320007 MHz

F2 - Processing parameters
SI        32768
SF        400.1300067 MHz
WDW       EM
```



Colmaric Analyticals, LLC

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Certificate of Analysis

Synaptent LLC  
47 W. Polk ST, STE 100-241  
Chicago, IL 60605

Product Name	Centrophenoxine	Product Lot #	2017018
Report Date	12/06/2017	Laboratory #	9543
Description		Test Method	Results
Identification		1H-NMR	Conforms
Assay		HPLC	101.2%
Lead		ICP-MS USP<730>	0.504ppm
Arsenic		ICP-MS USP<730>	0.001ppm
Cadmium		ICP-MS USP<730>	0.035ppm
Mercury		ICP-MS USP<730>	0.004ppm

Peter Yoho PhD  
QA Auditor

12/06/2017

Date

12/6/17

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