



NEWMIND
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IL 60605

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CERTIFICATE OF ANALYSIS

PPAP HCL

(1-Phenyl-2-propyl-aminopentane HCL)

Material Lot# 20170615 Manufacture Date: 06/15/2017
Country of Origin: China Retesting Date: 06/14/2020

Analysis	Claim	Result
Assay	≥98%	98.0%

Test	Claim	Result
Appearance	Off-White Powder	Complies
Solubility	Soluble in glycerol and water.	Complies

Impurity Test	Claim	Result
H-NMR Analysis	Conforms to Standard	Complies
HPLC Assay	≥98%	98.0%
Heavy Metals	≤5 ppm	Complies
Arsenic	≤5 ppm	1.4 ppm
Cadmium	≤5 ppm	<0.046 ppm
Lead	≤5 ppm	0.16 ppm
Mercury	≤2 ppm	0.64 ppm

Conforms to enterprise standard

PPAP should be stored at or below room temperature in a tightly sealed durable container.
PPAP should be protected from excess heat, direct sunlight, excess humidity, and moisture.
PPAP is stable for at least three years from the date of testing when properly stored.



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Product Name	PPAP HCL	Product Lot Number	20170615
Report Date	08/10/17	Laboratory Number	9025

Test	Method	Result
Identification	NMR	Conforms
Purity	HPLC	100.0%
Lead	ICP-MS USP <730>	0.019 ppm
Arsenic	ICP-MS USP <730>	1.736 ppm
Cadmium	ICP-MS USP <730>	0.001 ppm
Mercury	ICP-MS USP <730>	0.360 ppm

Robert Newman *Rob N*
QC Group Leader

08/10/2017 8/10/17
Date

Sample#: 7090751-01
Description: 1-Phenyl-2-propylaminopentane hydrochloride 20170615
Date and Time Sampled: 9/06/2017 0:00
Analysis Performed by: Microbac Laboratories, Inc. - Chicagoland

Metals	Analysis	Method	Qualifier	Result	Units	Date	Time	Tech
Arsenic		SW-846 6020B	B	1.4	mg/Kg	9/13/17	15:01	SJE
Cadmium		SW-846 6020B		<0.046	mg/Kg	9/13/17	15:01	SJE
Lead		SW-846 6020B		0.16	mg/Kg	9/13/17	15:01	SJE
Mercury		SW-846 6020B		0.64	mg/Kg	9/13/17	15:01	SJE

SYMAPTENT LLC

Safety Data Sheet

(R)-1-phenyl-N-propylpentan-2-amine hydrochloride

SECTION 1: Identification

1.1 Product identifier
Product name: (R)-1-phenyl-N-propylpentan-2-amine hydrochloride
Product number: PPA HCL
Manufacturer: SYMAPTENT LLC
Supplier name: 15400302-Propylamino pentane hydrochloride
CAS no.: 784118-64-5 (freebase)

1.3 Recommended use of the chemical and restrictions on use

1.4 Supplier's details
SYMAPTENT LLC
4719 W. WA. STATE 100-241
DUNDEE, IL 60005
Telephone: 312-326-6696
Fax: 312-771-6699
Email: synaptent@sympatent.com
Address: 686782-278

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture
Hazard statements:
- Eye irritation (H336)
- Harmful to aquatic life with long lasting effects (H411)
Signalword: Warning
Precedence: May cause respiratory irritation

2.2 GHS label elements, including precautionary statements

SECTION 3: Composition information on ingredients

3.1 Substances
Substance name: 1-phenyl-N-propylpentan-2-amine hydrochloride, CAS no.: 784118-64-5, Formula: C₁₄H₂₂N
Molecular weight: 241.38036

Safety Data Sheet

(R)-1-phenyl-N-propylpentan-2-amine hydrochloride

SECTION 3: E exposure controls/personal protection

3.1 Control parameters
CAS: 784118-64-5
1-phenyl-N-propylpentan-2-amine hydrochloride

3.2 Respirable dust
Respirable dust (mg/m³)
Respirable dust (mg/m³)
Respirable dust (mg/m³)

3.3 Individual protection measures, such as personal protective equipment (PPE)
Personal protective equipment (PPE)
Personal protective equipment (PPE)

SECTION 9: Physical and chemical properties

Appearance:
white crystalline powder

Color:
white

Odor:
odorless

Melting point (°C):
130-134 °C (freebase)

Boiling point (°C):
not applicable

Explosion rate:
not applicable

Upper/lower flammability limits:
not applicable

Upper/lower explosibility limits:
not applicable

Flash point (°C):
not applicable

Auto-ignition temperature (°C):
not applicable

Decomposition temperature:
not applicable

Chemical stability:
stable

Reactivity:
not applicable

Chemical properties:
not applicable

SECTION 10: Stability and reactivity

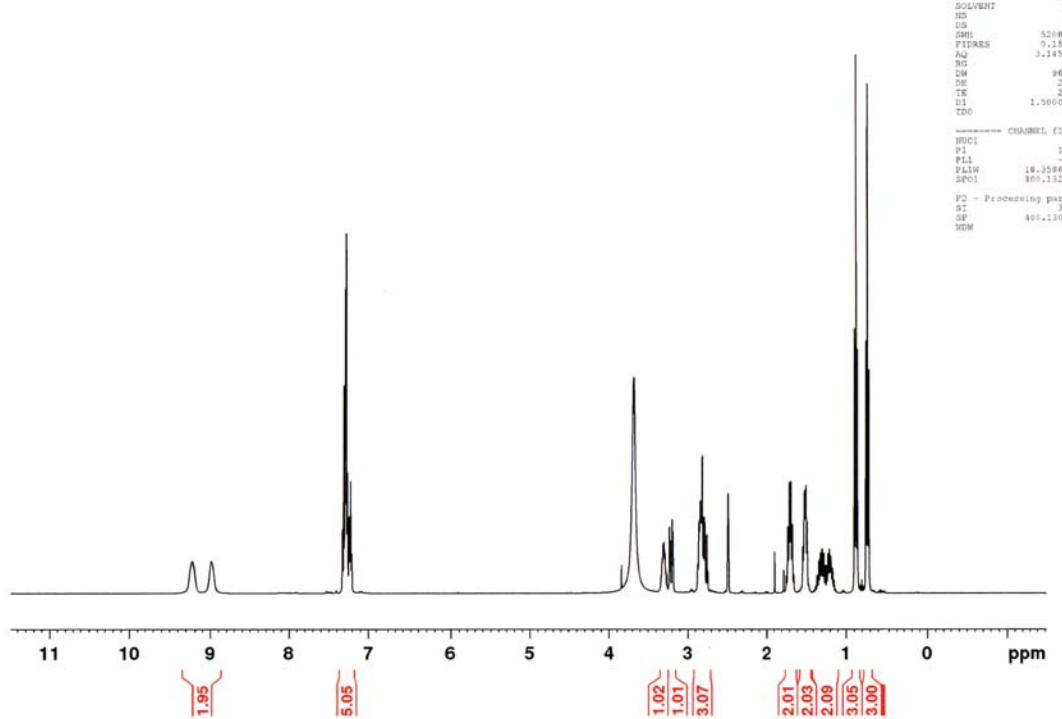
10.1 Conditions to avoid
not applicable

10.2 Incompatible materials
not applicable

10.3 Incompatible uses
not applicable

10.4 Hazardous decomposition products
CO₂, NO_x, HCl

1H NMR of 1-phenyl-2-propylaminopentane HCl in DMSO
Lot # 9025
Colmaric Analytical
400 MHz
07-28-17



Current Data Parameters
NAME: 0128-2017-colmaric
EXPNO: 2
PROCNO: 1

F2 - Acquisition Parameters
Date_ : 20170728
Time : 14.36
INSTRUM : spect
PROBHD : 5 mm PABBO-1
PULPROG : zgpg30
TD : 32768
SOLVENT : DMSO
NS : 32
DS : 4
SFB : 5208.333 Hz
FIDRES : 0.1589444 Hz
AQ : 2.11837283 sec
RG : 40.3
WE : 66.000 umax
ZM : 25.613 umax
WB : 298.0 K
SFO : 1.500000000 KHz
TD0 : 1

CHANNEL f1
NUC1 : 1H
P1 : 11.00 usec
P1L : -2.50 dB
PLN : 18.35888008 dB
SFO1 : 400.1320007 MHz

F2 - Processing parameters
SI : 32768
SF : 400.1309063 MHz
WDW : RM

Safety Data Sheet

(R)-1-phenyl-N-propylpentan-2-amine hydrochloride

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Auto-ignition temperature (°C):
not applicable

Decomposition temperature:
not applicable

Chemical stability:
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Reactivity:
not applicable

Chemical properties:
not applicable

SECTION 10: Stability and reactivity

10.1 Conditions to avoid
not applicable

10.2 Incompatible materials
not applicable

10.3 Incompatible uses
not applicable

10.4 Hazardous decomposition products
CO₂, NO_x, HCl

Safety Data Sheet

(R)-1-phenyl-N-propylpentan-2-amine hydrochloride

SECTION 11: Toxicological information

11.1 Information on toxicological effects

11.2 Ecological information

11.3 Disposal considerations

SECTION 12: Ecological information

12.1 Environmental fate

12.2 Ecotoxicity

SECTION 13: Disposal considerations

13.1 Disposal of the product

13.2 Disposal of the container

SECTION 14: Transport information

14.1 UN number

14.2 Proper shipping name

14.3 Hazard class

14.4 Packing group

14.5 Transport quantity

SECTION 15: Regulatory information

15.1 Regulatory status

15.2 Regulatory information

SECTION 16: Other information

16.1 Other information