



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

newmind@newmind.com  
www.newmind.com

### CERTIFICATE OF ANALYSIS

#### RGPU-95

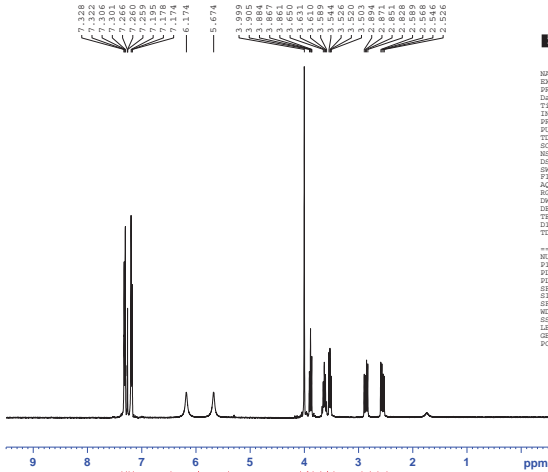
(4-p-Cl-Phenyl-2-pyrrolidone-1-acetamide)

Material Lot #: 20160910      Manufacture Date: 09/10/2016  
Country of Origin: China      Expiration Date: 09/09/2018

Analysis	Claim	Result
p-Cl-Phenylpiracetam	≥98.0%	99.4%

Test	Specification	Result
Appearance	Off-White solid	Complies
HNMR	Conforms to structure	Complies
Assay	≥98%	Complies

RGPU-95 should be stored at or below room temperature in a tightly sealed durable container.  
RGPU-95 should be protected from excess heat, direct sunlight, excess humidity and moisture.  
RGPU-95 has a stable shelf life of 2 years from the date of manufacture when properly stored.



```

NAME SL-AT-20160910RGPU-95
EXPNO 1
PROCNO 1
Date_ 20170208
Time 12.54
INSTRUM spect
PROBHD 5 mm PABBO BB
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 16
DS 2
SWH 8223.865 Hz
FIDRES 0.1254883 Hz
AQ 3.38448187 sec
RG 144
DM 60.800 usec
DE 6.50 usec
TE 298.2 K
D1 1.00000000 sec
TD0 1
===== CHANNEL f1 =====
NUC1 1H
P1 14.00 usec
PL1 0.00 dB
PL12 0.22195129 W
SFO1 400.1324710 MHz
SI 32768
SF 400.1330081 MHz
WDW no
SSB 0
LB 0.00 Hz
GB 0
CB 0
PC 1.00
  
```



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Product Name	RGPU-95 p-Cl-phenylpiracetam	Product Lot Number	20160910
Report Date	02/11/17	Laboratory Number	8192

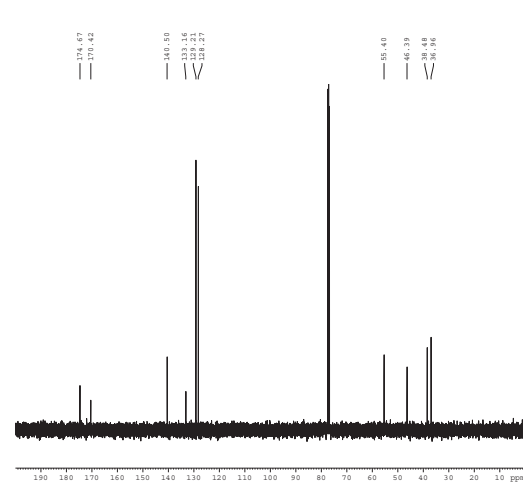
Test	Method	Results
p-Cl-Phenylpiracetam	CA-104 (HPLC-UV)	98.3%
Identification	<sup>1</sup> H-NMR	Positive
Lead	ICP-MS USP <730>	0.229 ppm
Arsenic	ICP-MS USP <730>	0.136 ppm
Cadmium	ICP-MS USP <730>	0.002 ppm
Mercury	ICP-MS USP <730>	<0.001 ppm

Connor Holt  
QA Auditor

02/11/2017  
Date

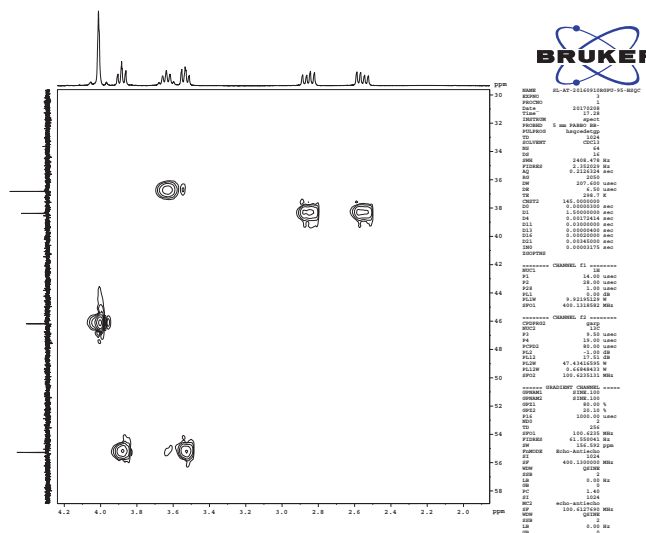
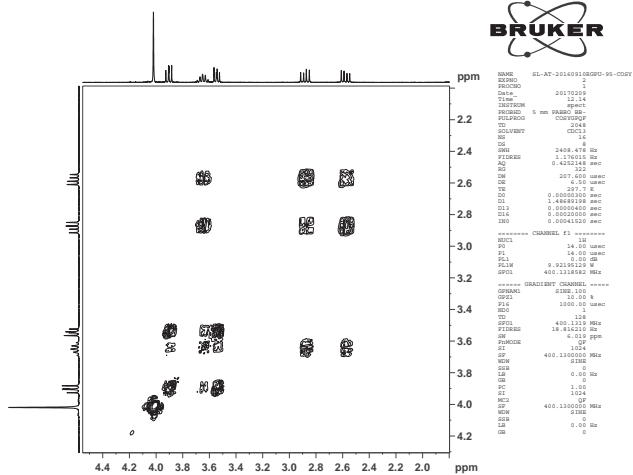
*Connor Holt*

*2/11/17*



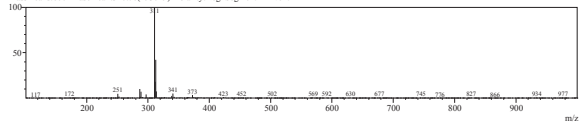
```

NAME SL-AT-20160910RGPU-95
EXPNO 1
PROCNO 1
Date_ 20170208
Time 12.34
INSTRUM spect
PROBHD 5 mm PABBO BB
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 256
DS 24038.461 Hz
FIDRES 0.366798 Hz
AQ 1.3651088 sec
RG 201
DM 20.800 usec
DE 6.50 usec
TE 298.2 K
D1 1.00000000 sec
D11 0.03000000 sec
TD0 1
===== CHANNEL f1 =====
NUC1 13C
P1 8.00 usec
PL1 0.00 dB
PL12 37.67829254 W
SFO1 100.6282828 MHz
===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
P2C2 90.20 usec
PL2 0.00 dB
PL12 16.48 dB
PL13 15.00 dB
PL2W 9.92195129 W
PL2W2 0.22195129 W
PL1W 0.1175965 W
SFO2 400.1330081 MHz
SI 32768
SF 100.627768 MHz
WDW no
SSB 0
LB 0.00 Hz
GB 0
CB 0
PC 1.00
  
```



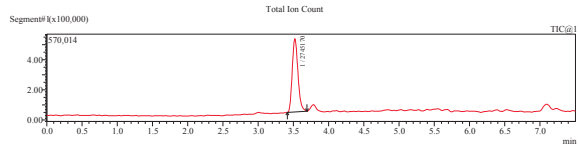
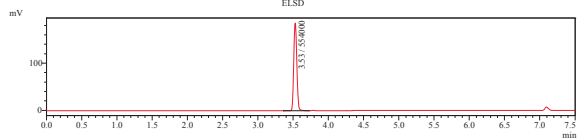
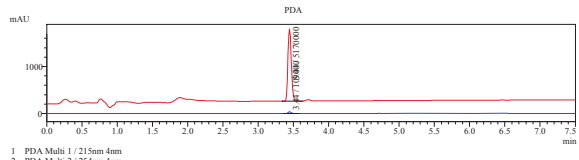
#1 Ret Time: Averaged 3.509-3.531 (Scan# 330-332)  
 BG Mode Calc: 3.413-->3.691 (321-->347)  
 Mass Peaks 600 Base Peak: 319.78(193019) Polarity: Neg Segment: 1 - Event: 1

MS Spectrum Graph



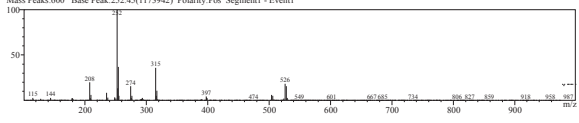
Sample Information

Date Acquired: 2/8/2017 12:54:19 PM  
 Sample Name: SL-AT-20160910RGP01-95  
 Sample ID: SL-AT-20160910RGP01-95  
 Vial#: 56  
 Injection Volume: 2  
 Data File: SL-AT-20160910RGP01-95\_282017\_1226 PM\_1\_lcd  
 Method File: LCMS-pos-Smin-Sto95-100to1000amu.kcm  
 Original Method: C:\LabSolutions\Data\2016\4\CMS-pos-Smin-Sto95-100to1000amu.kcm  
 Tuning File: C:\LabSolutions\Data\2016\20141119.lct  
 Modified Date: 2/8/2017 2:02:09 PM



#1 Ret Time: Averaged 3.520-3.541 (Scan# 331-333)  
 BG Mode Calc: 3.403-->3.712 (320-->349)  
 Mass Peaks 600 Base Peak: 252.45(117942) Polarity: Pos Segment: 1 - Event: 1

MS Spectrum Graph



Sample Information

Date Acquired: 2/8/2017 12:45:28 PM  
 Sample Name: SL-AT-20160910RGP01-95  
 Sample ID: SL-AT-20160910RGP01-95  
 Vial#: 56  
 Injection Volume: 2  
 Data File: SL-AT-20160910RGP01-95\_282017\_1226 PM\_3\_lcd  
 Method File: LCMS-pos-Smin-Sto95-100to1000amu.kcm  
 Original Method: C:\LabSolutions\Data\2016\4\CMS-pos-Smin-Sto95-100to1000amu.kcm  
 Tuning File: C:\LabSolutions\Data\2016\20141119.lct  
 Modified Date: 2/8/2017 1:57:42 PM

