

CERTIFICATE OF ANALYSIS

Product Name: Tert-Butyl N-(2-Hydroxyethyl)Carbamate

Chemical Structure:



Lot Number: ASP213892691

CAT Number: APL-CCPN-0026690

CAS Registry Number: 26690-80-2

Manufacture Date: 07/2021

Expiry Date: 07/2024

Molecular Formula: C₇H₁₅NO₃

Molecular Weight: 161.1989

Storage: 2-8°C

Analysis Data

Item	Specification	Results
Appearance	Colorless oil like liquid	Conforms
HNMR	Consistent with the structure	Conforms
Purity	≥ 97 %	97 %

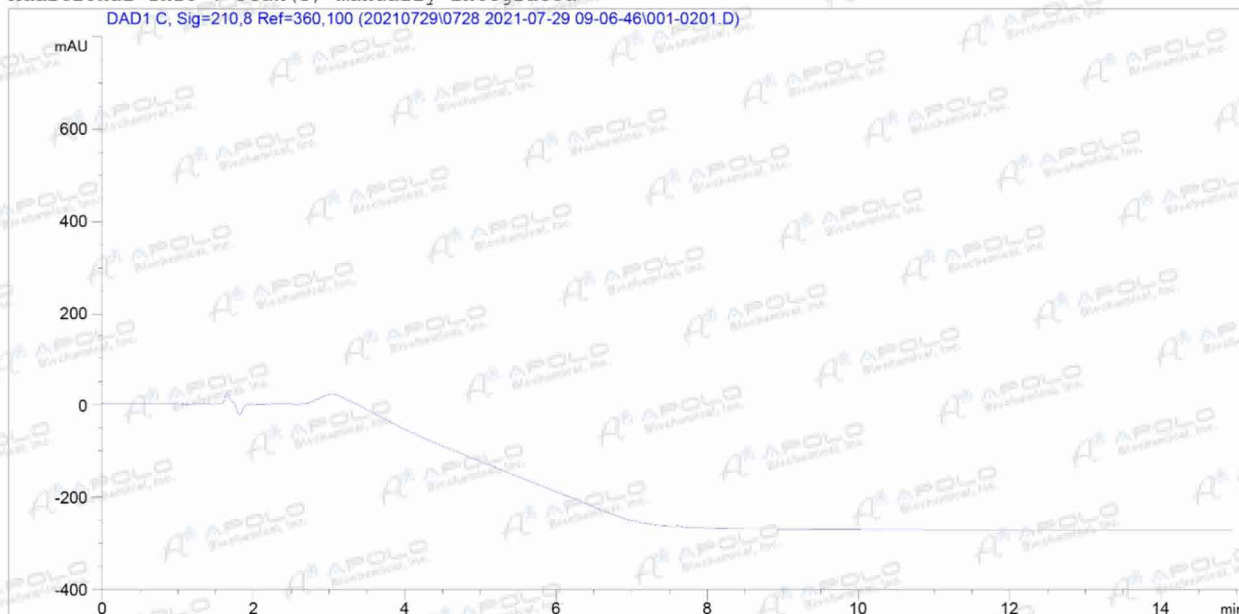
The foregoing is a copy of the Certificate of Analysis as provided by our supplier

Jennifer LaBrecque 08/2021
Quality Assurance Manager

Conclusion: The above product meets the specifications of APOLO

Data File C:\CHEM32\1\DATA\20210729\0728 2021-07-29 09-06-46\001-0201.D
Sample Name: BLANK

```
=====
Acq. Operator   :                               Seq. Line :    2
Acq. Instrument : Instrument 1                  Location  : Vial 1
Injection Date  : 7/29/2021 9:32:07 AM          Inj       :    1
                                                Inj Volume: 5.0 µl
Different Inj Volume from Sequence !      Actual Inj Volume: 2.0 µl
Acq. Method     : C:\CHEM32\1\DATA\20210729\0728 2021-07-29 09-06-46\NORMAL-TFA.M
Last changed    : 7/23/2021 8:52:33 AM
Analysis Method : C:\CHEM32\1\METHODS\G02-15446-2.M
Last changed    : 7/29/2021 1:26:39 PM
                (modified after loading)
Additional Info  : Peak(s) manually integrated
=====
```



Area Percent Report

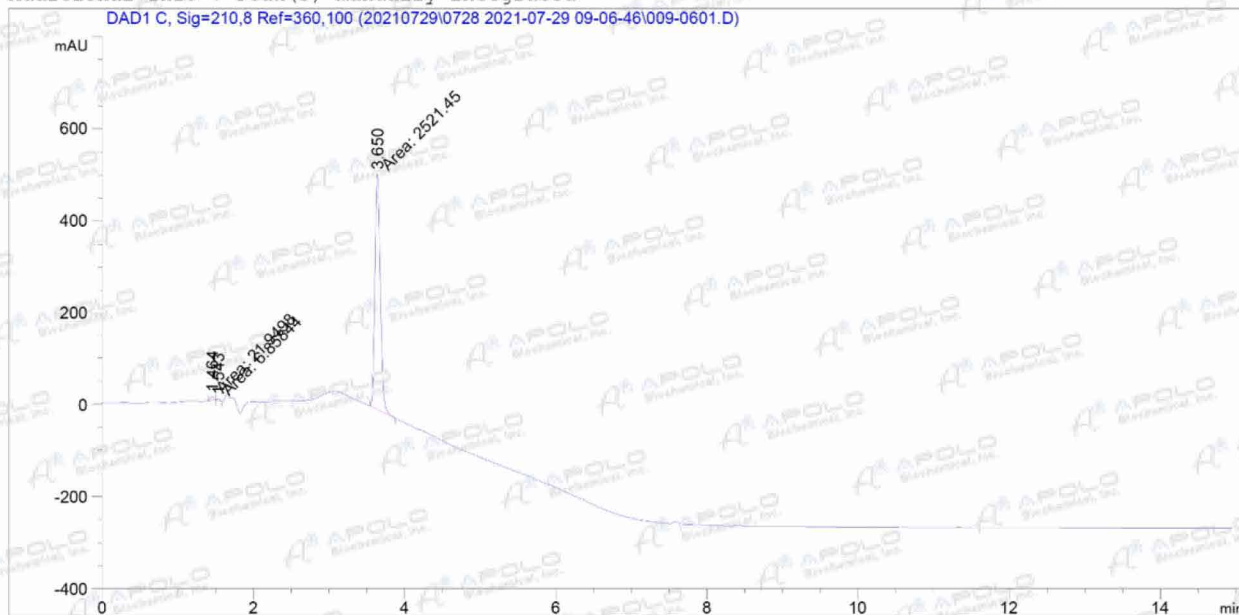
```
=====
Sorted By      :      Signal
Multiplier:    :      1.0000
Dilution:      :      1.0000
Use Multiplier & Dilution Factor with ISTDs

No peaks found
=====
```

*** End of Report ***

Data File C:\CHEM32\1\DATA\20210729\0728 2021-07-29 09-06-46\009-0601.D
Sample Name: ASP21-389269-1

```
=====
Acq. Operator   :                               Seq. Line :    6
Acq. Instrument : Instrument 1                   Location  : Vial 9
Injection Date  : 7/29/2021 11:06:17 AM          Inj       :    1
                                                Inj Volume: 5.0 µl
Different Inj Volume from Sequence ! Actual Inj Volume : 2.0 µl
Acq. Method     : C:\CHEM32\1\DATA\20210729\0728 2021-07-29 09-06-46\NORMAL-TFA.M
Last changed    : 7/23/2021 8:52:33 AM
Analysis Method : C:\CHEM32\1\METHODS\G02-15446-2.M
Last changed    : 7/29/2021 1:26:39 PM
                (modified after loading)
Additional Info  : Peak(s) manually integrated
=====
```



Area Percent Report

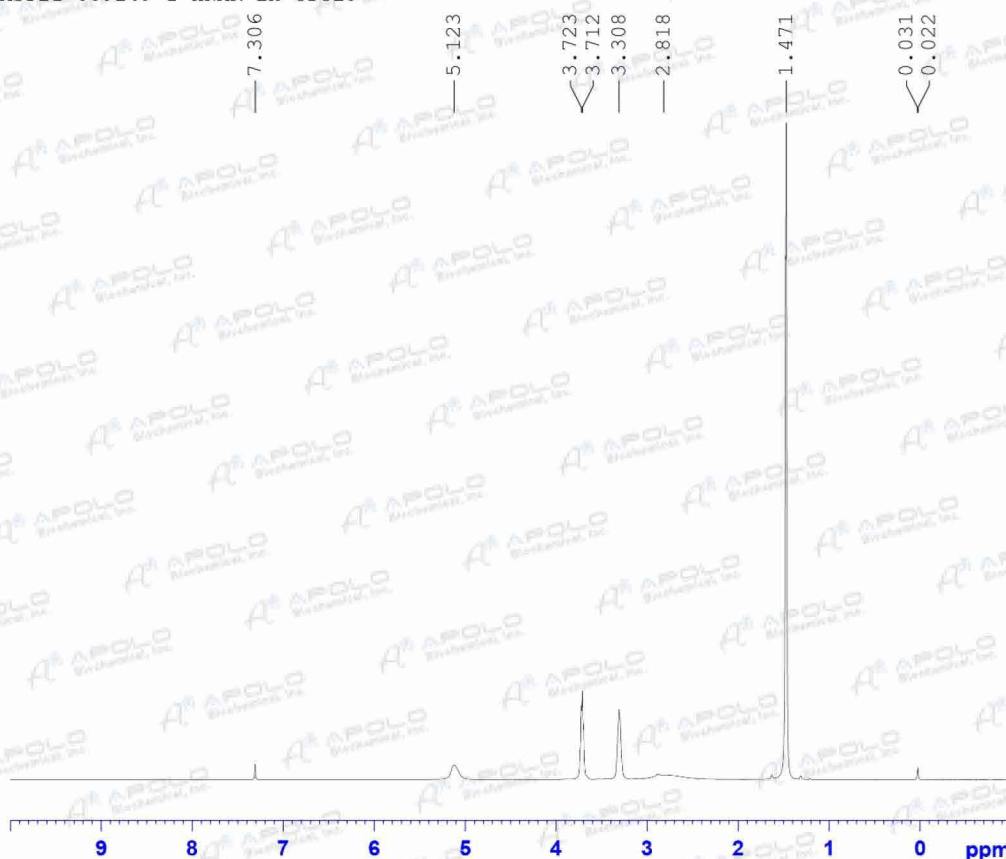
```
=====
Sorted By      : Signal
Multiplier:    : 1.0000
Dilution:      : 1.0000
Use Multiplier & Dilution Factor with ISTDs
=====
```

Signal 1: DAD1 C, Sig=210,8 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	1.464	MM	0.0468	21.94982	7.81095	0.8607
2	1.543	MM	0.0405	6.85844	2.82437	0.2689
3	3.650	MM	0.0822	2521.44897	511.47787	98.8704

Totals : 2550.25723 522.11319

ASP21-389269-1 HNMR in CDCl₃



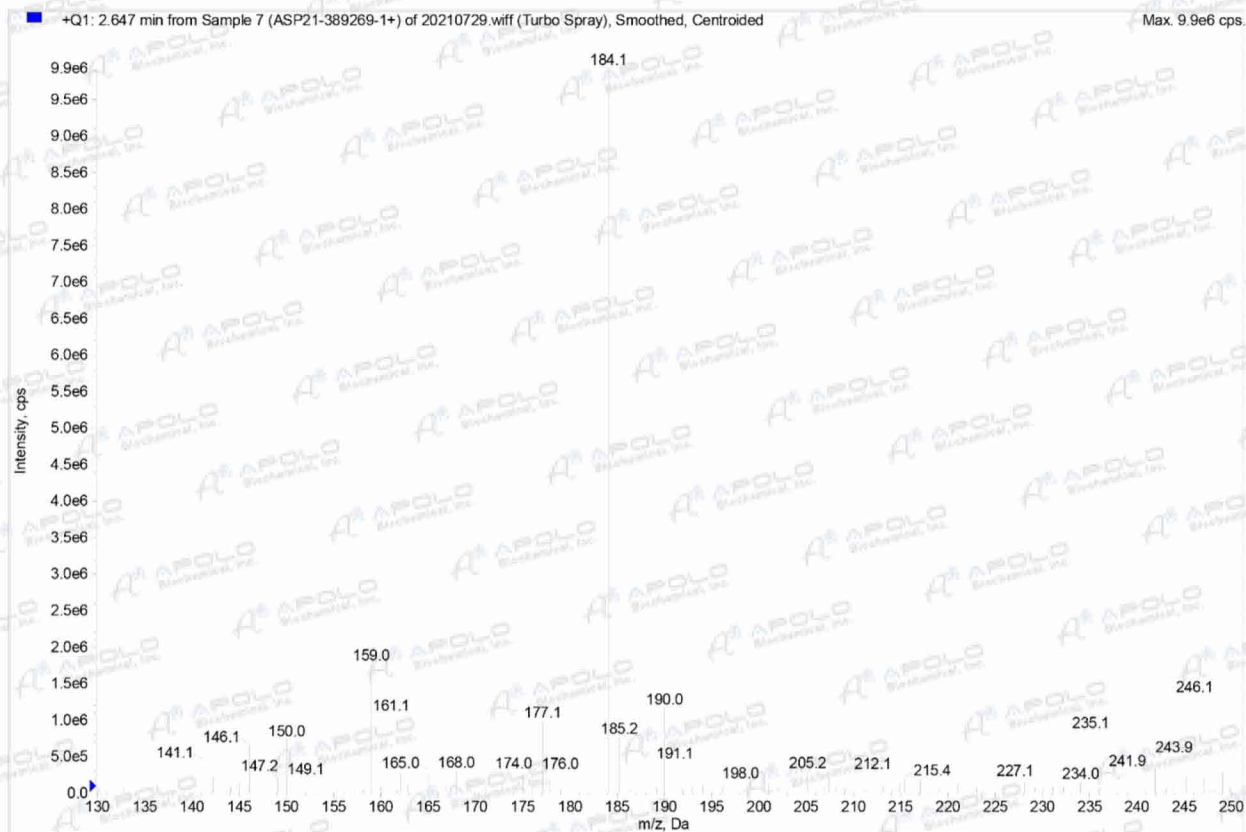
Current Data Parameters
NAME ASP21-389269-1
EXNO 9
PROCNO 1

F2 - Acquisition Parameters
Date 20210728
Time 14.46
INSTRUM WNMN-1-400MHz
PULPROG sfpul
TD 38860
SOLVENT CDCl₃
NS 32
DS 0
SWH 9715.024 Hz
AQ 1.9999950 sec
RG 50.8
DW 51.467 usec
DE 30.00 usec
TE 295.0 K
NUC1 1H
PL1 120.00 dB
SFO1 399.8316015 MHz

F2 - Processing parameters
S1 131072
SF 399.8277207 MHz
WDW EM
SSB 0
LB 0.50 Hz
GB 0.1
PC 1.00

Sample Name: ASP21-389269-1+

Acq. File: 20210729.wiff



Sample Name: ASP21-389269-1-

Acq. File: 20210729.wiff

