



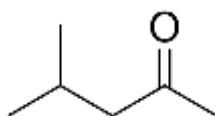
## Certificate of Analysis.

### Methyl Isobutyl ketone (MIBK), AnStan<sup>®</sup> GC Reference Standard.

Product Code:	<b>BS11081.</b>
Description:	<b>Methyl Isobutyl Ketone (MIBK), AnStan<sup>®</sup> GC Reference Standard.</b>
Chemical Name:	<b>4-Methyl-2-pentanone.</b>
Pack Size:	<b>100 ml.</b>
CAS NO.:	<b>108-10-1.</b>
Mol. Weight:	<b>100.16 g/mol.</b>
Mol. Formula:	<b>C<sub>6</sub>H<sub>12</sub>O.</b>
MDL Number:	<b>MFCD00008938.</b>
Solubility:	<b>Miscible in water.</b>
Storage:	<b>Store at ambient temperature.</b>
LOT NO.:	<b>Sample.</b>
Manufacture Date:	<b>Lot specific.</b>
Expiry Date:	<b>3 years.</b>

Characteristics	Specification	Measured Values
Appearance:	Clear Colorless liquid.	<b>Lot specific.</b>
Identification by NMR:	Confirms to structure.	<b>Lot specific.</b>
Identification by MASS:	Confirms to structure.	<b>Lot specific.</b>
Identification by IR:	Confirms to structure.	<b>Lot specific.</b>
Purity (GC):	> 99.80 %.	<b>Lot specific.</b>

Please Note: - This material is only for laboratory purpose and not for human consumption. This is a computer generated COA, no stamp or signature is required.



**Prepared by.**  
**Thirumalesh. K.**  
**Chemist.**

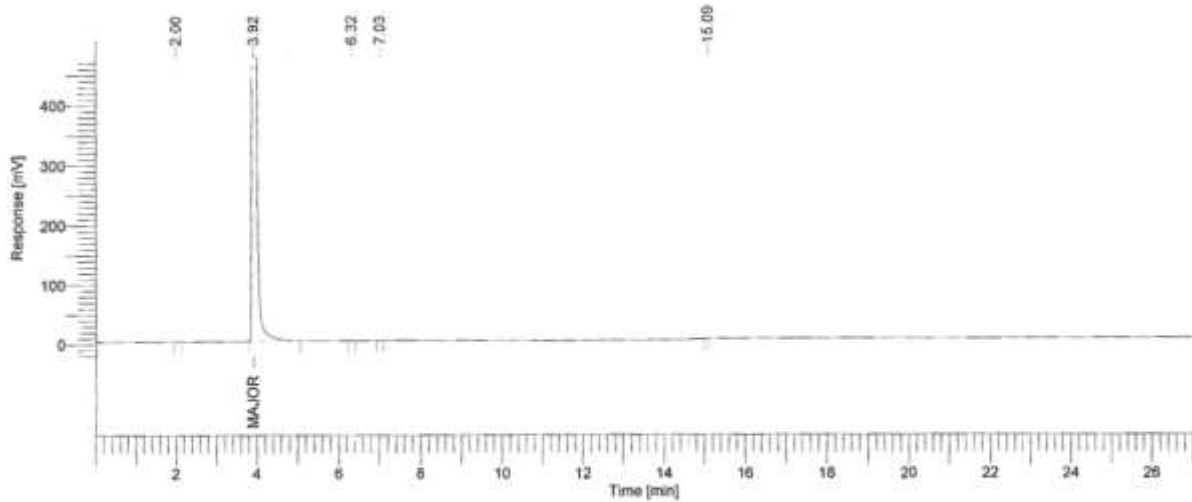
**Reviewed by.**  
**Deepti. K.**  
**Head analytical.**



Software Version : 6.3.2.0646  
 Sample Name :  
 Instrument Name : GCHS  
 Rack/Vial : 0/0  
 Sample Amount : 1.000000  
 Cycle : 1

Date : 9/24/2021 1:57:47 PM  
 Data Acquisition Time : 9/24/2021 10:57:34 AM  
 Channel : A  
 Operator : manager  
 Dilution Factor : 1.000000

Result File : E:\TcWS\Ver6.3.2\Examples\SEP-2021\240921\_BS11081-01.rst  
 Sequence File : E:\TcWS\Ver6.3.2\Examples\240921\_BS11081.seq



## GC REPORT

Peak #	Time [min]	Component Name	Area [ $\mu\text{V}\cdot\text{s}$ ]	Height [ $\mu\text{V}$ ]	Area [%]	Rel. RT
1	2.003		2003.58	382.90	0.03	0.51
2	3.917	Major peak	7567593.71	988922.27	99.92	1.00
3	6.321		1493.05	314.20	0.02	1.61
4	7.025		1058.07	227.54	0.01	1.79
5	15.091		1595.00	277.61	0.02	3.85
			7573743.40	990124.52	100.00	

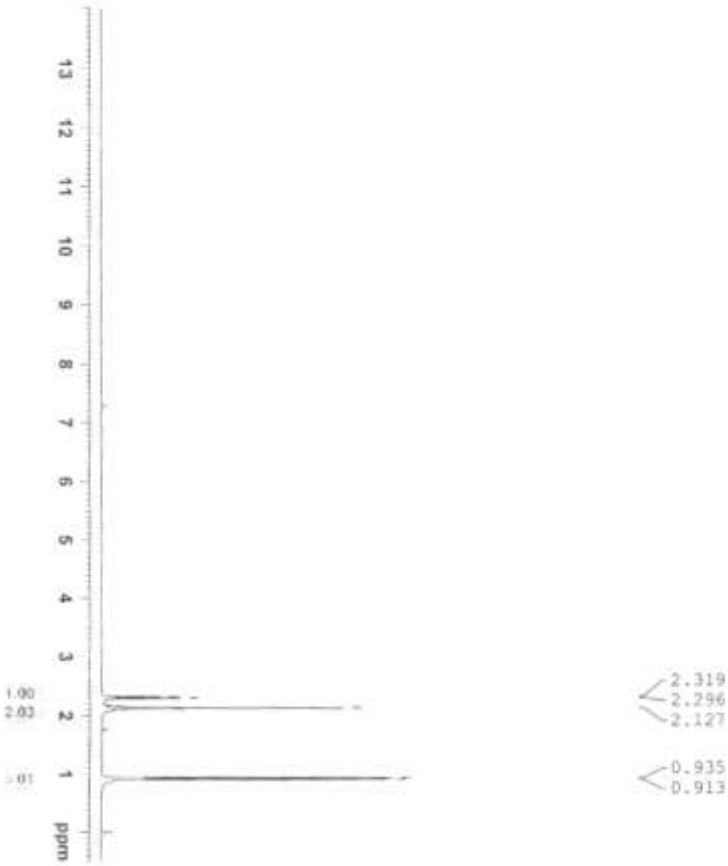
Warning – Signal level out-of-range in peak

Analysed By

*Panigrahi*



Briti Scientific  
 BS11081#BS110#1/01,1#-CDCL3  
 240921001



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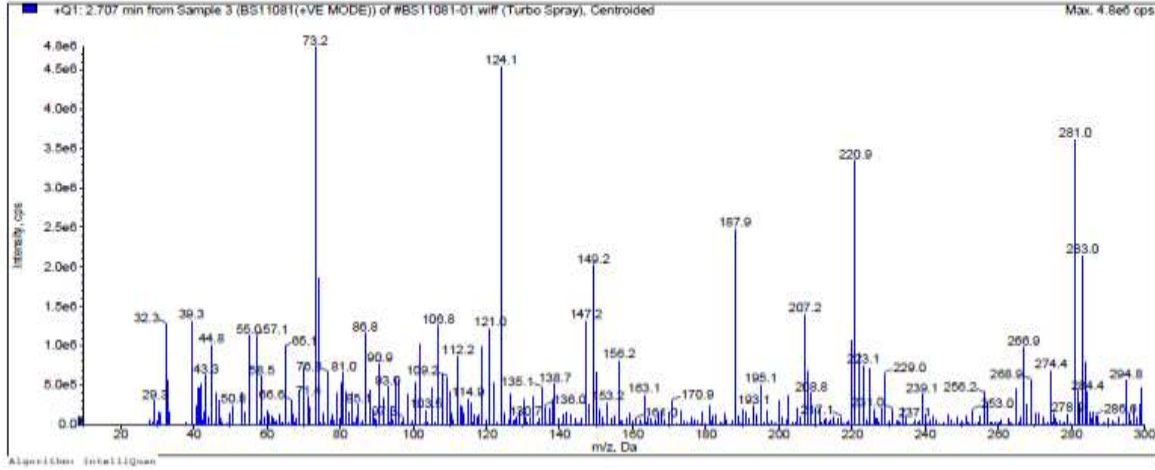
NAME: Briti Scientific
EXPNO: 1
PROCNO: 1
Date_ : 20210524
Time: 9.28
INSTRUM: spect
PROBHD: 5 mm QNP 1H/1
PULPROG: zgpg30
AQ: 4.820
RG: 320.0
DS: 4
SFO: 400.1363000
AQ: 10156.218 Hz
FIDRES: 0.1554490 Hz
AQ: 3.21598930 sec
RG: 48.000
DS: 4
SFO: 400.1363000
AQ: 1.00000000 sec
TD0: 2

===== CHANNEL f1 =====
NUC1: 1H
P1: 11.00
PL1: 0.00 dB
PL12: 11.00
SFO1: 300.1363000 MHz
SI: 32768
SF: 300.1363000 MHz
WDW: EM
SSB: 0
LB: 0.30 Hz
GB: 0
PC: 1.00
    
```



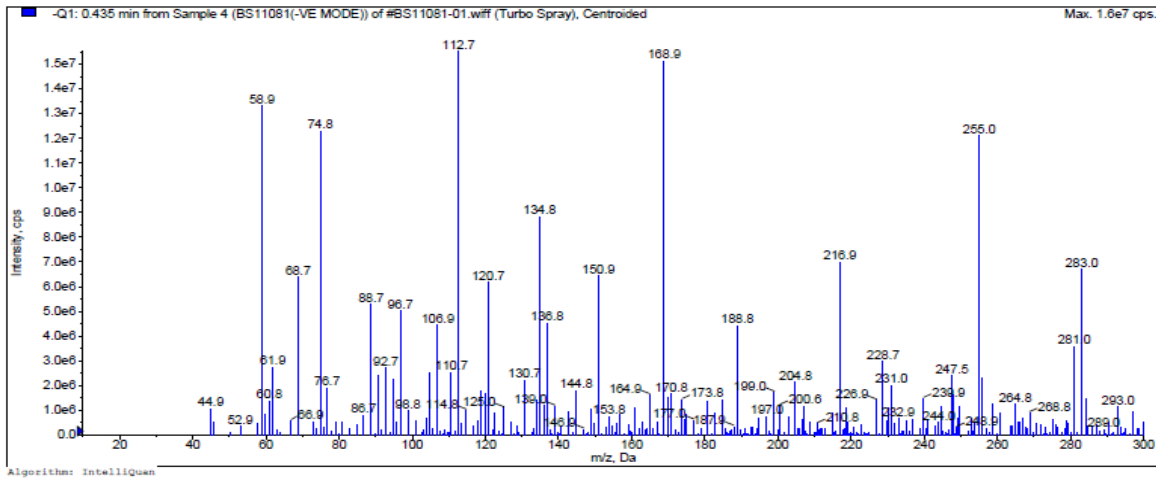
Acq. Date: Saturday, September 25, 2021  
Sample Name: BS11081(+VE MODE)

Acq. Time: 15:44

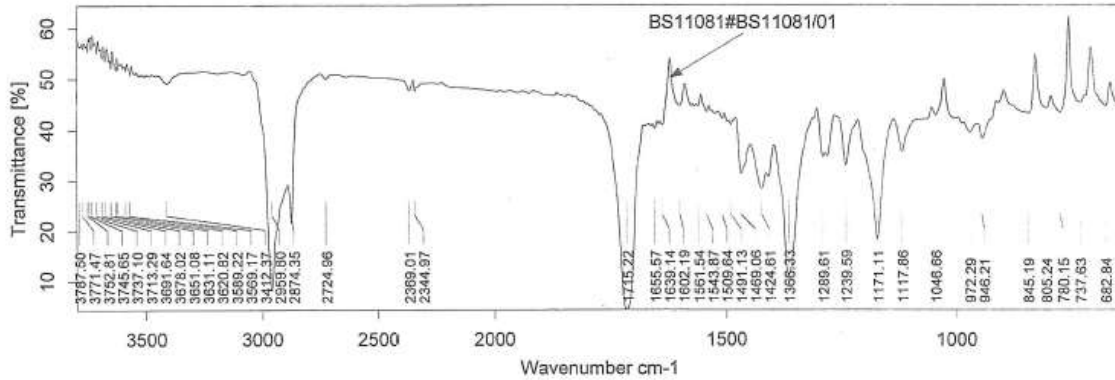


Acq. Date: Saturday, September 25, 2021  
Sample Name: BS11081(-VE MODE)

Acq. Time: 15:49



Instrument ID No:RS/IR/01



Path/File Name:D:\DATA-2021\September\BS11081#BS11081-01 25.09.2021\BS11081#BS11081-01.D

Sample Name:BS11081#BS11081/01

Experiment:default.xpm

Lot No./Batch No:BS11081#BS11081/01

Resolution:4

Date & Time:9/25/2021,3:51:18 PM

Sample Scans:16

Operator Name:V Divya Jyothi

Frequency Range:3600 to 650

Analysed by  
Date:

Checked by  
Date:

