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CERTIFICATE OF ANALYSIS

Product Name	Tizoxanide		
Synonyms	2-Hydroxy-N-(5-nitro-2-thiazolyl)benzamide		
CAS No	173903-47-4		
Product code	SYI0046	**Batch No**	LTZBF0118
Molecular Formula	$C_{10}H_7N_3O_4S$	**Molecular Weight**	265.24
Mfg. Date	Jan-26	**Expiry Date**	Dec-28
Storage Conditions	Store at room temperature, tightly closed container		

Test	Specification	Results
Appearance	Off white to white solid	White solid
Melting Point	254 °C	254 °C
Purity by HPLC	NLT 98%	99.57%
IR Spectrum	Identification by structure	Confirmed
1H NMR Spectra	Identification by structure	Confirmed
Mass Spectra	Identification by molecular weight	Confirmed

Reference to *USP* 30–*NF* 25 General Chapter <11>, "Reference Standards," As a result, noncompendial (secondary) reference standards require characterization data. This product should not use for clinical application.

Approved by
Dr. Gopinath PH. D

SYNTHICURE LABORATORIES LLP

Computer Generated document, Does not require any Signature.

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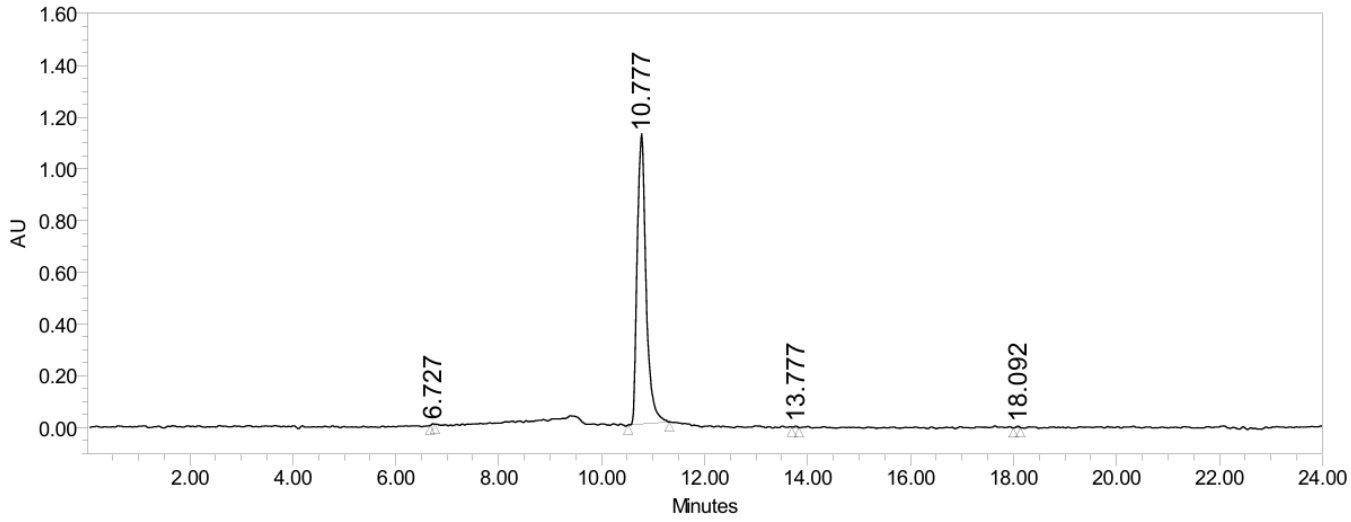
HPLC Analytical report

SAMPLE INFORMATION

Sample Name:	LTZBF-0118	Acquired By:	Analyst
Sample Type:	Unknown	Sample Set Name:	19012026 HPLC1 MORNING
Vial:	26	Acq. Method Set:	HPLC PURITY 24 MIN
Injection #:	1	Processing Method:	LC PQ
Injection Volume:	6.00 ul	Channel Name:	250.0nm@11
Run Time:	24.0 Minutes	Proc. Chnl. Descr.:	PDA 250.0 nm
SA-AD-INS-020			
Date Acquired:	1/19/2026 5:03:27 PM IST		
Date Processed:	1/19/2026 6:34:33 PM IST		

METHOD INFORMATION
BUFFER:
MP A :0.1% TFA IN WATER
MP B: ACN:WATER (90:10)V/V
COLUMN: INERTSIL C18 (150MM*4.6*5M)
GRADIENT PRO:0/10,3/10,10/100,19/100,19.5/10,24/10
FLOW:1.0ml/min



	RT	Area	% Area	Height
1	6.727	13731	0.10	3888
2	10.777	13449012	99.57	1125219
3	13.777	20274	0.15	4932
4	18.092	24035	0.18	5759

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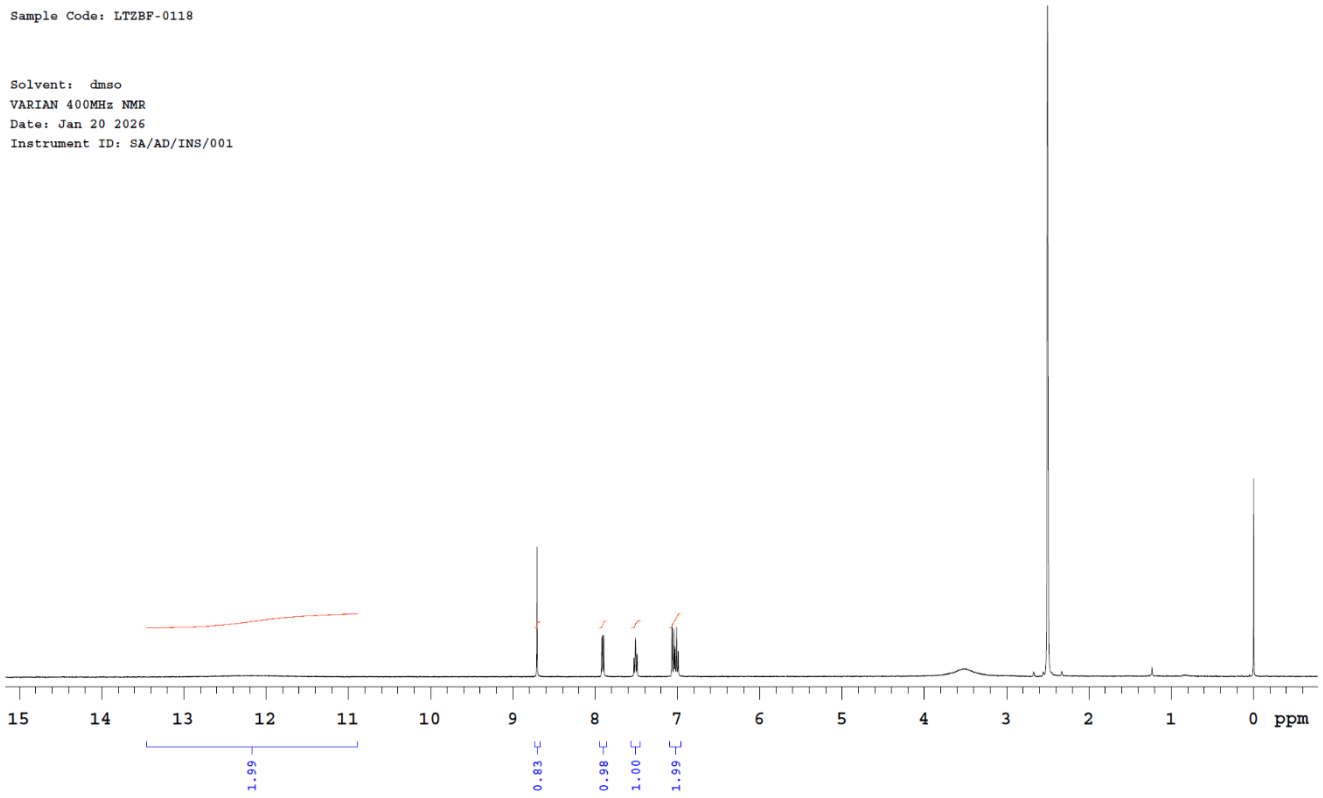
Identification by NMR: H1NMR

Sample Code: LTZBF-0118

Solvent: dmso
VARIAN 400MHz NMR
Date: Jan 20 2026
Instrument ID: SA/AD/INS/001



Sample Code: LTZBF-0118

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Date: Jan 20 2026
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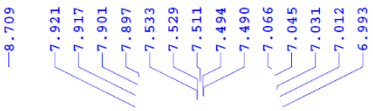

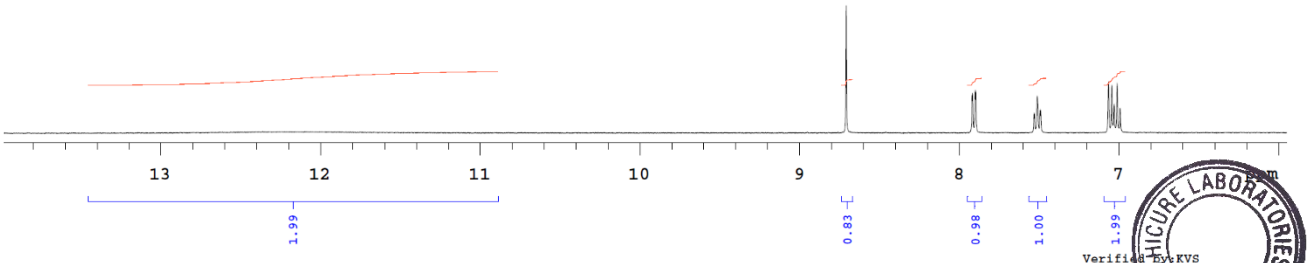

Plotname: LTZBF-0118_PROTON_20260120_01_plot02

Verified By:KVS

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Identification by NMR: H1NMR

```
exp1  PROTON

      SAMPLE           PRESATURATION
date    Jan 20 2026  satmode          n
solvent       dmso   wet              n
file /home/varian/~        SPECIAL
data/2026/Jan/LTZB~  temp       not used
F-0118_20260120_01~  gain            40
/LTZBF-0118_PROTON~  spin            20
  _20260120_01.fid   hst          0.008
   ACQUISITION       pw90        13.000
sw          7183.9   alfa        10.000
at           4.000         FLAGS
np           57472   il               n
fb            4000   in               n
bs               2   dp               y
d1           1.000   hs              nn
nt             128       PROCESSING
ct              10   lb           0.50
   TRANSMITTER       fn         not used
tn              H1         DISPLAY
sfrq       399.691   sp         -783.5
tof          799.4   wp         7183.7
tpwr            59   rfl         783.8
pw           6.500   rfp             0
    DECOUPLER        rp         -116.1
dn              C13  lp              0
dof               0          PLOT
dm              nnn  wc            268
decwave W40_GATB-0~  sc              0
                 12  vs            485
dpwr             35  th              1
dmf           29412  ai  cdc  ph
```

INDEX	FREQUENCY	PPM	HEIGHT
1	3480.8	8.709	26.6
2	3166.0	7.921	7.8
3	3164.2	7.917	8.4
4	3158.1	7.901	8.6
5	3156.3	7.897	8.6
6	3010.8	7.533	3.9
7	3009.2	7.529	4.0
8	3002.2	7.511	7.6
9	2995.4	7.494	4.7
10	2993.7	7.490	4.6
11	2824.2	7.066	10.6
12	2815.9	7.045	9.9
13	2810.2	7.031	6.0
14	2802.5	7.012	10.2
15	2795.0	6.993	5.2
16	1396.5	3.494	1.7
17	1000.4	2.503	146.3
18	492.8	1.233	2.0
19	-0.0	-0.000	40.5

Plotname: LTZBF-0118_PROTON_20260120_01_plot03

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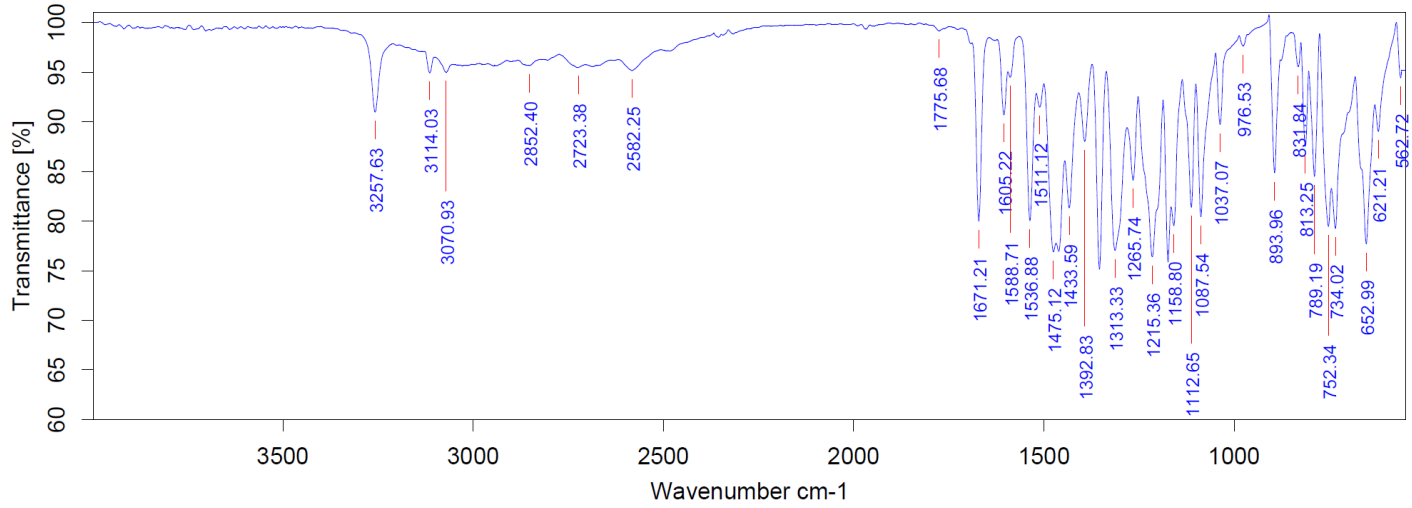
Identification by Infrared Spectroscopy (IR)



Path/File Name:D:\2026\JAN-2026\LTZBF-0118.0

Sample Name:LTZBF-0118

Lot No./Batch No:LTZBF-0118

Date & Time:1/19/2026,5:18:48 PM

Operator Name:SPARK

Experiment:JANUARY-2026.XPM

Resolution:2

Sample Scans:32

Frequency Range:4000 to 550

"D:\2026\JAN-2026\LTZBF-0118.0" 1
- Peak Table TR
  - Peak Picking

Peak Picking	Values
Method:	Standard
Searched for minima:	Yes
Number of peaks:	35
Sensitivity > [%]:	10.000000
From:	4000.000000
to:	400.000000
Absolute peak height >	0.000000
Relative peak height < [%]	0.000000
Absolute peak height <	0.000000

Wavenumber	Abs. intensity	Rel. intensity	Width	Found if threshold <	Shoulder
3257.6330	0.910	0.091	25.5539	35.037178	0
3114.0254	0.949	0.031	17.6409	11.304507	0
1671.2110	0.800	0.187	15.2302	72.672806	0
1605.2186	0.907	0.078	15.3961	30.346954	0
1536.8792	0.800	0.165	17.4001	53.808277	0
1475.1208	0.769	0.191	64.1858	73.720299	0
1433.5919	0.813	0.063	15.6221	18.573410	0
1392.8265	0.880	0.062	17.2647	19.114594	0
1354.1548	0.751	0.256	18.5005	97.381706	0
1313.3289	0.770	0.174	33.6921	60.492290	0
1265.7413	0.841	0.070	16.9016	20.655239	0
1215.3617	0.764	0.164	38.8152	61.739120	0
1173.9212	0.759	0.214	30.1057	74.889915	0
1112.6459	0.814	0.126	13.9973	48.519222	0
1087.5413	0.804	0.153	17.3820	53.977970	0
1037.0725	0.897	0.075	12.6130	28.145391	0
893.9623	0.848	0.155	16.2347	55.232441	0
813.2451	0.875	0.084	11.0339	29.738573	0
789.1870	0.845	0.146	16.7062	56.238594	0
752.3375	0.795	0.047	9.9180	14.962043	0
734.0219	0.792	0.167	43.8295	59.698372	0

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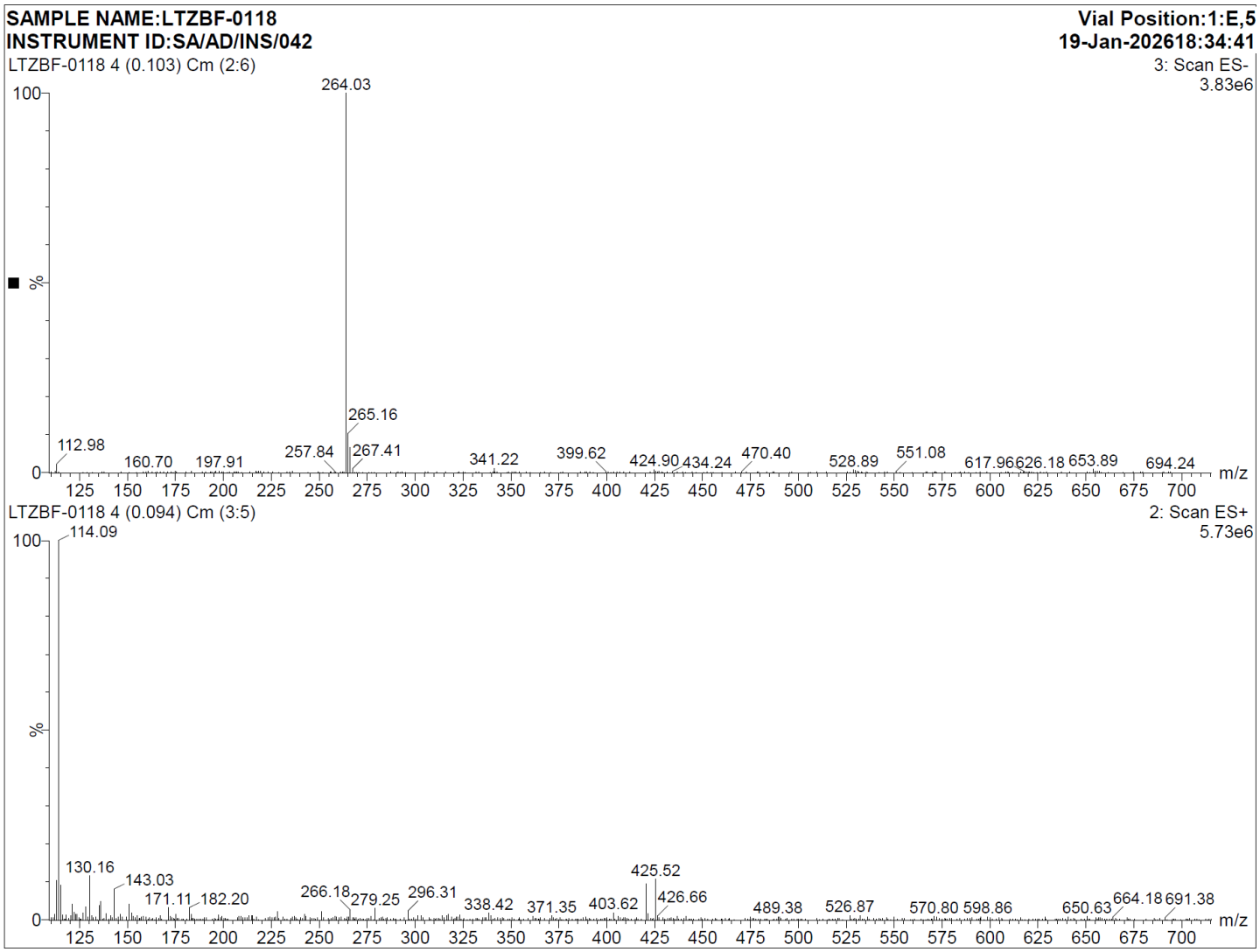
Identification by Mass spectrometry (MS)



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