UpCare Pharma
CIN: U74140GJ2019PTC110343

Contact No: +91 900 424 1244
Email: shyam@upcarepharma.com
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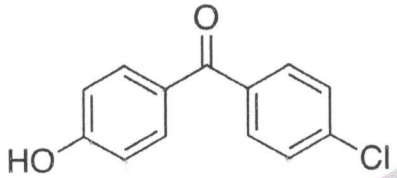
CERTIFICATE OF ANALYSIS

Product name	Fenofibrate Impurity A		
Chemical Structure		**Molecular Formula**	$C_{13}H_9ClO_2$
		Molecular Weight	232.66
		Batch Number	UP-FEN-01-1122
		Batch Reference No.	SS-FEN-PRD-02-2201
		Date of Analysis	14.11.2022
		Next Retest Date	13.11.2023
		Storage conditions	Store at 2-8°C
CAS No:	42019-78-3		
Chemical name	4-Chloro-4'-hydroxybenzophenone; (4-Chlorophenyl)(4-hydroxyphenyl)methanone;		

Sr. No.	Test	Result
1	Description	Light Orange Solid
2	Solubility	Acetonitrile & Methanol
3	Identification by Mass spectrometry	conforms to the structure
4	Identification by 1H NMR	conforms to the structure
5	Identification by FT-IR	conforms to the structure
6	Purity by HPLC(%Area)	99.08 %

Note: This is a standard suitable for identification, qualitative and quantitative analysis.
Not for Human or Animal Consumption.

	Prepared By	Checked By	Approved By
Signature			
Date	14-11-2022	14.11.2022	14/11/2022

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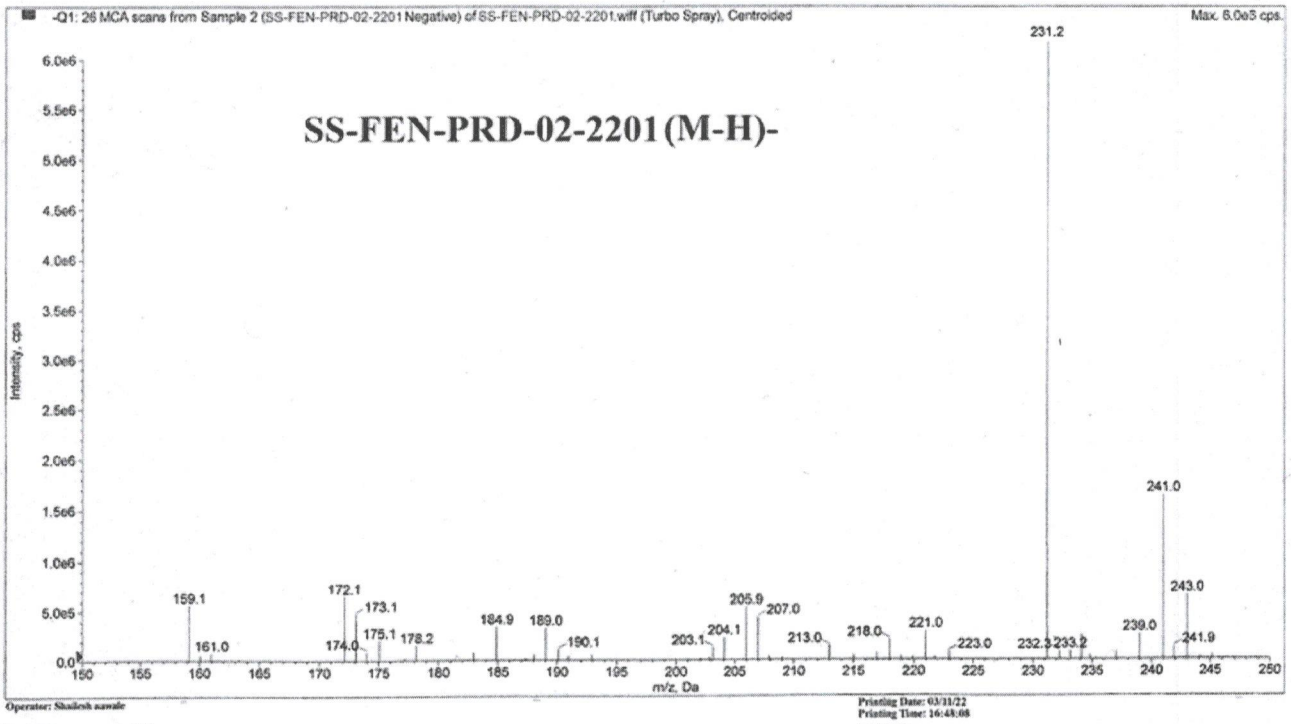
MS Spectrum

Instrument ID :- PCLPL-INS-BA-023
Batch Name: ManualTune.bat
Results Path: N/A



Operator: Shailesh nawale

Prepared By.

03/11/22

Printing Date: 03/11/22
Printing Time: 16:48:08
Page 1 of 1

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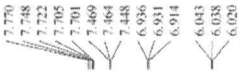
NMR SPECTRA

SS-FEN-PRD-02-2201_proton-1-2.jdf
079840



Sapala

```
---- PROCESSING PARAMETERS ----
sexp( 0.3[Hz], 0.0[s] )
trapezoid( 0[%], 0[%], 80[%], 100[%] )
zerofill( 4 )
fft( 1, TRUE, TRUE )
machinephase
ppm
auto_reference( 5[%], TRUE )

Derived from: SS-FEN-PRD-02-2201_proton-1-1.j
```

```
Filename          = SS-FEN-PRD-02-2201_proton-
Instrument        - NMR-400MHz(JEOL)
Instrument id     - NMR-01
Author            = 1385
Reviewed by       - Ramesh Yadav
Solvent           = CHLOROFORM-D
Spectrometer      = JNM-ECS400S/L1
Experiment        = proton.jxp
Creation_Time     = 15-NOV-2022 18:10:36
Acquisition Parameter
X_Domain          = Proton
X_Offset          = 7[ppm]
X_Sweep           = 9.00576369[kHz]
Scans             = 64
Relaxation_Delay  = 2[s]
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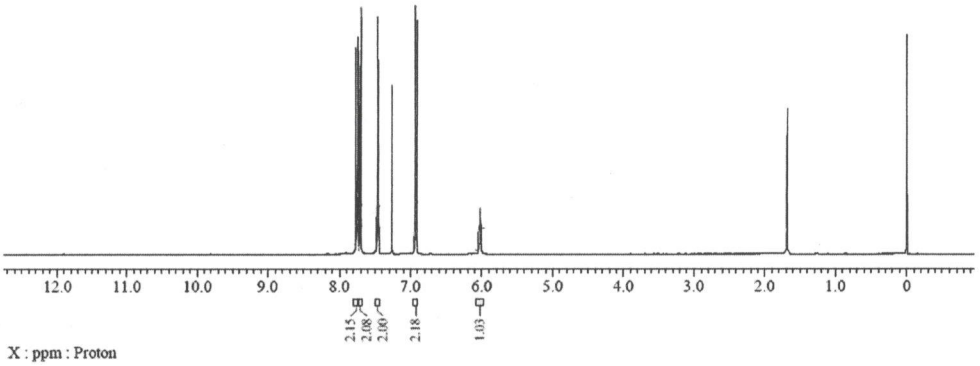

X : ppm : Proton

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IR SPECTRA

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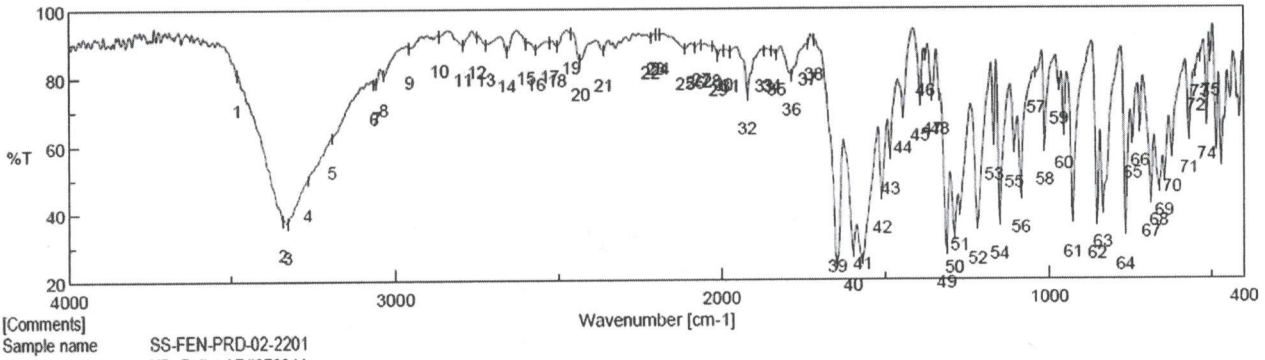


[Comments]

Sample name	SS-FEN-PRD-02-2201
Comment	KBr Pellet AR#079841
User	A.Raju
Division	QC
Company	Sapala Organics Pvt Ltd

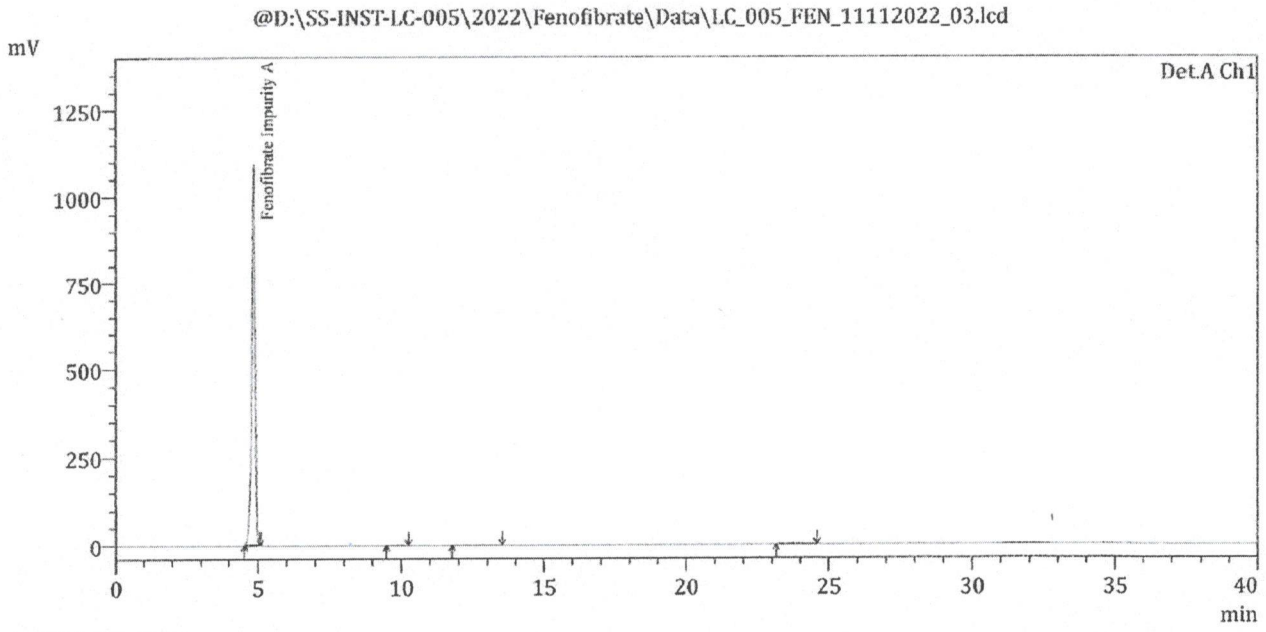
[Measurement Information]

Model Name	FT/IR-4100typeA
Serial Number	B088661016
Measurement Date	15/Nov/2022 12:08
Light Source	Standard
Detector	TGS
Accumulation	16
Resolution	4 cm-1
Zero Filling	On
Apodization	Cosine
Gain	Auto (16)
Aperture	Auto (7.1 mm)
Scanning Speed	Auto (2 mm/sec)
Filter	Auto (30000 Hz)

Results of Peak Find

No.	Position	Intensity	No.	Position	Intensity	No.	Position	Intensity	No.	Position	Intensity
1	3481.85	80.8563	2	3341.07	37.7858	3	3327.57	37.0912	4	3265.86	49.7277
5	3192.58	62.3746	6	3063.37	78.1381	7	3055.66	78.3875	8	3033.48	80.7374
9	2955.38	88.7062	10	2863.77	91.9132	11	2792.42	89.4292	12	2749.99	91.8392
13	2723	89.5731	14	2657.43	87.5137	15	2599.57	89.8802	16	2568.72	88.1072
17	2527.26	90.1497	18	2504.11	89.0116	19	2460.72	92.7751	20	2432.76	85.1144
21	2361.41	87.6433	22	2216.77	91.5092	23	2199.42	92.3274	24	2187.85	92.3121
25	2109.74	88.1545	26	2078.89	88.5906	27	2059.6	89.3114	28	2028.75	88.9542
29	2009.46	86.1504	30	1993.07	87.6007	31	1971.86	87.2139	32	1919.79	74.6973
33	1868.68	87.4974	34	1845.54	87.3032	35	1830.12	86.3987	36	1783.83	80.2644
37	1734.66	89.1821	38	1715.37	90.4388	39	1645.95	24.7768	40	1597.73	28.1411
41	1568.81	25.784	42	1509.99	45.2425	43	1484.92	56.7866	44	1444.42	69.0625
45	1392.35	72.6501	46	1375.96	86.0187	47	1355.71	74.2793	48	1333.53	74.2886
49	1313.29	29.078	50	1289.18	33.2562	51	1271.82	40.2233	52	1218.79	36.0712
53	1168.65	60.888	54	1151.29	37.4678	55	1106.94	58.6754	56	1086.69	45.1238
57	1040.41	80.7089	58	1013.41	59.138	59	970.019	77.2368	60	954.591	63.9444
61	927.593	37.975	62	853.347	37.4808	63	835.99	40.762	64	766.566	34.3123
65	744.388	61.2247	66	721.247	64.6975	67	687.498	43.6055	68	663.393	47.1194
69	646.036	49.9584	70	622.895	57.1212	71	569.862	62.6117	72	548.649	80.9893
73	536.114	85.2258	74	514.901	66.671	75	502.366	85.3529			

< CHROMATOGRAM >



1 Det.A Ch1 / 286nm

PeakTable @D:\SS-INST-LC-005\2022\Fenofibrate\Data\LC_005_FEN_11112022_03.lcd

Detector A Ch1 286nm

Peak#	Name	Ret. Time	Area	Area %
1	Fenofibrate Impurity A	4.853	9018489	99.080
2		9.993	24876	0.273
3		12.868	41183	0.452
4		24.085	17679	0.194
Total				100.000

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