

Sample Analysis Report 01.01.2018 - 12.10.2018

MONTH/YEAR	INTERNAL SAMPLES	EXTERNAL SAMPLES	TOTAL
January 2018	67	08	75
February 2018	137	13	150
March 2018	187	62	249
APRIL 2018	338	23	361
MAY 2018	122	25	147
JUNE 2018	54	16	70
JULY 2018	80	31	111
AUGUST 2018	154	0	154
September 2018	147	06	153
October 2018 (Till 12.10.2018)	30	11	41

Equipment wise

S. No	Name of Equipment	Internal Samples	External Samples	Total
1	SEM	141	48	195
2	EDS	74	26	100
3	FTIR	422	32	454

4	DSC	220	06	226
5	TG/DTA	250	07	257
6	XRD	126	72	198
7	PARTICLE SIZE	36	0	36
8	RAMAN	45	0	45

Monthly Spilt-up

January 2018

S. No.	Equipment	Total no. of samples analysed (Internal + External)	
		Internal	External
1	SCANNING ELECTRON MICROSCOPE (SEM)	04	0
2	ENERGY DISPERSIVE SPECTROMETER (EDS)	0	0
3	FTIR SPECTROMETER	42	0
4	THERMO-GRAVIMETRIC AND DIFFERENTIAL THERMAL ANALYSER (TG/DTA)	16	0
5	DIFFERENTIAL SCANNING CALORIMETER (DSC)	0	0
6	X-RAY DIFFRACTION	0	08
7	PARTICLE SIZE ANALYZER	04	0
8	ELEMENTAL (C,H,N,S) ANALYZER	01	0
09	WATER PURIFICATION SYSTEM	105 liters	0
	Total (Internal + External)	67	08

February 2018

S. No.	Equipment	Total no. of samples analysed (Internal + External)	
		Internal	External
1	SCANNING ELECTRON MICROSCOPE (SEM)	11	09
2	ENERGY DISPERSIVE SPECTROMETER (EDS)	01	0
3	FTIR SPECTROMETER	34	0
4	THERMO-GRAVIMETRIC AND DIFFERENTIAL THERMAL ANALYSER (TG/DTA)	45	0
5	DIFFERENTIAL SCANNING CALORIMETER (DSC)	21	0
6	X-RAY DIFFRACTION	21	04
7	PARTICLE SIZE ANALYZER	04	0
8	WATER PURIFICATION SYSTEM	120 liters	0
	Total (Internal + External)	137	13

March 2018

S. No.	Equipment	Total no. of samples analysed (Internal + External)	
		Internal	External
1	SCANNING ELECTRON MICROSCOPE (SEM)	20	11
2	ENERGY DISPERSIVE SPECTROMETER (EDS)	14	03
3	FTIR SPECTROMETER	51	18
4	THERMO-GRAVIMETRIC AND DIFFERENTIAL THERMAL ANALYSER (TG/DTA)	40	07
5	DIFFERENTIAL SCANNING CALORIMETER (DSC)	42	0
6	X-RAY DIFFRACTION	08	23

7	Raman Spectrometer	12	0
8	WATER PURIFICATION SYSTEM	110 liters	0
	Total (Internal + External)	187	62

April 2018

S. No.	Equipment	Total no. of samples analysed (Internal + External)	
		Internal	External
1	SCANNING ELECTRON MICROSCOPE (SEM)	19	04
2	ENERGY DISPERSIVE SPECTROMETER (EDS)	05	0
3	FTIR SPECTROMETER	142	10
4	THERMO-GRAVIMETRIC AND DIFFERENTIAL THERMAL ANALYSER (TG/DTA)	63	0
5	DIFFERENTIAL SCANNING CALORIMETER (DSC)	41	0
6	X-RAY DIFFRACTION	34	09
7	PARTICLE SIZE ANALYZER	06	0
8	WATER PURIFICATION SYSTEM	25 liters	0
9	Raman Spectrometer	28	0
	Total (Internal + External)	338	23

May 2018

S. No.	Equipment	Total no. of samples analysed (Internal + External)	
		Internal	External
1	SCANNING ELECTRON MICROSCOPE (SEM)	04	12

2	ENERGY DISPERSIVE SPECTROMETER (EDS)	01	03
3	FTIR SPECTROMETER	40	0
4	THERMO-GRAVIMETRIC AND DIFFERENTIAL THERMAL ANALYSER (TG/DTA)	43	0
5	DIFFERENTIAL SCANNING CALORIMETER (DSC)	31	01
6	X-RAY DIFFRACTION	01	09
7	PARTICLE SIZE ANALYZER	01	0
8	WATER PURIFICATION SYSTEM	35 liters	0
9	Raman Spectrometer	01	0
	Total (Internal + External)	122	25

June 2018

S. No.	Equipment	Total no. of samples analysed (Internal + External)	
		Internal	External
1	SCANNING ELECTRON MICROSCOPE (SEM)	03	0
2	ENERGY DISPERSIVE SPECTROMETER (EDS)	03	0
3	FTIR SPECTROMETER	27	0
4	THERMO-GRAVIMETRIC AND DIFFERENTIAL THERMAL ANALYSER (TG/DTA)	06	0
5	DIFFERENTIAL SCANNING CALORIMETER (DSC)	04	05
6	X-RAY DIFFRACTION	06	11
7	PARTICLE SIZE ANALYZER	05	0
8	WATER PURIFICATION SYSTEM	25 liters	0
	Total (Internal + External)	54	16

July 2018

S. No.	Equipment	Total no. of samples analysed (Internal + External)	
		Internal	External
1	SCANNING ELECTRON MICROSCOPE (SEM)	12	05
2	ENERGY DISPERSIVE SPECTROMETER (EDS)	10	14
3	FTIR SPECTROMETER	12	03
4	THERMO-GRAVIMETRIC AND DIFFERENTIAL THERMAL ANALYSER (TG/DTA)	19	0
5	DIFFERENTIAL SCANNING CALORIMETER (DSC)	22	0
6	X-RAY DIFFRACTION	04	09
7	PARTICLE SIZE ANALYZER	01	0
8	WATER PURIFICATION SYSTEM	25 liters	0
	Total (Internal + External)	80	31

August 2018

S. No.	Equipment	Total no. of samples analysed (Internal + External)	
		Internal	External
1	SCANNING ELECTRON MICROSCOPE (SEM)	22	0
2	ENERGY DISPERSIVE SPECTROMETER (EDS)	02	0
3	FTIR SPECTROMETER	44	0
4	THERMO-GRAVIMETRIC AND DIFFERENTIAL THERMAL ANALYSER (TG/DTA)	11	0
5	DIFFERENTIAL SCANNING CALORIMETER (DSC)	23	0
6	X-RAY DIFFRACTION	40	0

7	PARTICLE SIZE ANALYZER	12	0
8	WATER PURIFICATION SYSTEM	25 liters	0
	Total (Internal + External)	154	0

September 2018

S. No.	Equipment	Total no. of samples analysed (Internal + External)	
		Internal	External
1	SCANNING ELECTRON MICROSCOPE (SEM)	47	02
2	ENERGY DISPERSIVE SPECTROMETER (EDS)	31	01
3	FTIR SPECTROMETER	31	01
4	THERMO-GRAVIMETRIC AND DIFFERENTIAL THERMAL ANALYSER (TG/DTA)	01	0
5	DIFFERENTIAL SCANNING CALORIMETER (DSC)	31	0
6	X-RAY DIFFRACTION	03	01
7	WATER PURIFICATION SYSTEM	25 liters	0
	Total (Internal + External)	144	05

October 2018

(Till 12.10.2018)

S. No.	Equipment	Total no. of samples analysed (Internal + External)	
		Internal	External
1	SCANNING ELECTRON MICROSCOPE (SEM)	04	05
2	ENERGY DISPERSIVE SPECTROMETER (EDS)	05	05

3	THERMO-GRAVIMETRIC AND DIFFERENTIAL THERMAL ANALYSER (TG/DTA)	06	0
4	DIFFERENTIAL SCANNING CALORIMETER (DSC)	05	0
5	X-RAY DIFFRACTION	07	01
6	WATER PURIFICATION SYSTEM	25 liters	0
7	Particle Size	03	0
	Total (Internal + External)	30	11