

704 & 813. Sakar-5, Nr. Mithakhali Railway Crossing. Off Ashram Road, Ahmedabad - 380 009. Tel/Fax: (079) 26583525 Ref. No. AC/EFF/16-17/014

Date: 06-05-2016

Intas Pharmaceuticals Ltd.,

Plot No. 457, 458, Sarkhej - Bavala Highway,

Vil.: Matoda - 382 210, Ta.: Sanand,

Dist.: Ahmedabad.

Sub. : ANALYSIS REPORT OF YOUR TREATED EFFLUENT SAMPLE.

Sample drawn by

: Akshar Consultants.

Sample collection date

: 30-04-2016.

	Cample collection date . 30-04-2010.					
Sr. No.	Parameter	Result	GPCB Limit			
01	РН	7.53	6.5 - 8.5			
02	Temperature ( Deg. C )	36.00	40.00			
03	Colour (Pt-Co unit)	10.00	100.00			
04	Total Suspended Solids	88.00	100.00			
05	Oil & Grease	1.00	10.00			
06	Sulphides	0.30	2.00			
07	Ammonical Nitrogen	8.50	50.00			
08	Total Chromium	N. D. *	2.00			
09	Hexavalent Chromium	N. D. *	0.10			
10	Copper	N. D. *	3.00			
11	Lead	N. D. *	0.10			
12	Mercury	N. D. *	0.01			
13	Nickel	N. D. *	3.00			
14	Zinc	N. D. *	5.00			
15	COD	92.00	100.00			
16	BOD	24.00	30.00			
17	Chlorides	508.00	600.00			
18	Sulphates	230.00	1000.00			
19	Total Dissolved Solids	2048.00	2100.00			
20	Sodium Absorption Ratio	22.80	26.00			
21	Arsenic	N. D. *	0.20			
22	Cadmium	N. D. *	2.00			
23	Insecticide / Pesticide	Absent	Absent			
24	Bio – assay Test	90 % survival of fish after	90 % survival of fish after			
	-	96 hrs. in 100 % effluent	96 hrs. in 100 % effluent			

Note: All parameters except pH, Temperature & Colour are expressed in mg/L.

N.D.\* : Not Detected in mg/L.

ANALYSED BY.

(funite)

For AKSHAR CONSULTANTS,

D. J. Parcial

(Analyst)

(Authorised Signatory)

Ref. No. AC/EFF/16-17/015

Date: 06-05-2016

Intas Pharmaceuticals Ltd.,

Plot No. 457, 458, Sarkhej - Bavala Highway,

Vil.: Matoda - 382 210, Ta.: Sanand,

Dist.: Ahmedabad.

Sub. : ANALYSIS REPORT OF YOUR TREATED SEWAGE SAMPLE.

Sample drawn by

: Akshar Consultants.

Sample collection date

: 30-04-2016.

Sr. No.	Parameter	Result	GPCB Limit
1	pH	7.11	6.5 - 9.0
2	Total Suspended Solids	18.00	20.00
3	Ammonical Nitrogen	4.65	5.00
4	Total Nitrogen	7.85	10.00
5	COD	40.00	50.00
6	BOD	8.00	10.00

Note: All parameters except pH are expressed in mg/L.

ANALYSED BY,

For AKSHAR CONSULTANTS,

(Analyst)

(Authorised Signatory)

ID. I. Parelle



Report No.: AC/AIR/16-17/055

Date: 04-05-2016

#### STACK SAMPLING ANALYSIS REPORT

UNIT	: Intas Pharmaceuticals Ltd.	Sampling Date: 30-04-2016
SITE	: Plot No. 457, 458, Sarkhej-Bavla Highway, Vil.: Matoda – 382 210. Ta. Sanand, Dist.: Ahmedabad.	TIME:01:30 PM
SAMPLING LOCATION	: Stack attached to 10 TPH Steam boiler.	FUEL USED : Imported Coal

#### DUST CONCENTRATION ( PM ) DATA

Stack /Flue gas temperature ( Deg. C )	146.00	_
Stack gas velocity (m./sec.)	9.25	
Sampling duration ( min.)	30.00	
Vacuum gauge reading (mm. of Hg.)	10.00	
Volume of gas sampled at NTP conditions ( cu. m. )	0.40	and the second s
Wt. of PM collected ( mg.)	56.53	

### GAS CONCENTRATION DATA

Sampling duration ( min.)	30.00	
Gas flow-rate ( litres per min.)	5.00	tentropeda a desta de abreto Paris Constitucione de la constitución de
Volume of gas sampled at NTP conditions (cu. m.)	0.150	

#### RESULTS

PARAMETER		CONCENTRATION		GPCB Limit
		mg/Nm3	ppm	
Particulate matter	(PM)	141.33		150 mg/Nm <sup>3</sup>
Sulphur Di-oxide	(SO <sub>2</sub> )		65. 70	100 ppm
Nitrogen Di-oxide	(NO <sub>2</sub> )		6.80	50 ppm

Note: NTP conditions have been taken as 25 Deg. C & 760 mm of Hg atmospheric pressure.

ANALYSED BY,

FOR AKSHAR CONSULTANTS,

68 S

D. J. Parell

(Analyst)

(Authorised Signatory)



Report No.: AC/AIR/16-17/056

Date: 04-05-2016

#### STACK SAMPLING ANALYSIS REPORT

UNIT	: Intas Pharmaceuticals Ltd.	Sampling Date: 30-04-2016
SITE	: Plot No. 457, 458, Sarkhej-Bavla Highway, Vil.: Matoda – 382 210. Ta. Sanand, Dist.: Ahmedabad.	TIME: 03:00 PM
SAMPLING LOCATION	: Stack attached to Liquid / Solid Waste Incinerator.	FUEL USED : HSD

#### DUST CONCENTRATION ( PM ) DATA

Stack /Flue gas temperature ( Deg. C )	98.00	
Stack gas velocity (m./sec.)	8.25	
Sampling duration ( min.)	30.00	
Vacuum gauge reading (mm. of Hg.)	10.00	
Volume of gas sampled at NTP conditions (cu. m.)	0.45	
Wt. of PM collected ( mg.)	43.75	

#### GAS CONCENTRATION DATA

Sampling duration (min.)	30.00
Gas flow-rate (litres per min.)	5.00
Volume of gas sampled at NTP conditions (cu. m.)	0.150

#### RESULTS

PARAMETER		CONCENTRATION	GPCB Limit
		mg/Nm3	
Particulate matter	(PM)	47. 22	150 mg/Nm <sup>3</sup>
Sulphur Di-oxide	(SO <sub>2</sub> )	110. 50	200 mg/Nm <sup>3</sup>
Nitrogen Di-oxide	(NO <sub>2</sub> )	48, 60	400 mg/Nm <sup>3</sup>
Hydrochloric Acid	(HCI)	11. 55	50 mg/Nm <sup>3</sup>
Ammonia	(NH <sub>3</sub> )	33.87	175 mg/Nm <sup>3</sup>

Note: NTP conditions have been taken as 25 Deg. C & 760 mm of Hg atmospheric pressure.

ANALYSED BY,

FOR AKSHAR CONSULTANTS,

D. J. Parelle

(Authorised Signatory)

(Analyst)



Report No.: AC/AIR/16-17/057

Date: 04-05-2016

#### STACK SAMPLING ANALYSIS REPORT

UNIT	: Intas Pharmaceuticals Ltd.	Sampling Date: 30-04-2016
SITE	: Plot No. 457, 458, Sarkhej-Bavla Highway, Vil.: Matoda – 382 210. Ta. Sanand, Dist.: Ahmedabad.	TIME: 04:10 PM
SAMPLING LOCATION	: Stack attached to 1010 KVA DG set.	FUEL USED : LDO.

#### DUST CONCENTRATION ( PM ) DATA

Stack /Flue gas temperature ( Deg. C )	210.00	
Stack gas velocity (m./sec.)	5.98	
Sampling duration ( min.)	30.00	
Vacuum gauge reading (mm. of Hg.)	10.00	
Volume of gas sampled at NTP conditions (cu. m.)	0.60	nte-valle due con un aprijation parties applications
Wt. of PM collected ( mg.)	28.35	

#### GAS CONCENTRATION DATA

Sampling duration ( min.)	30.00	
Gas flow-rate ( litres per min.)	5.00	
Volume of gas sampled at NTP conditions (cu. m.)	0.150	

#### RESULTS

PARAMETER		CONCENT	CONCENTRATION		
		mg/Nm3	ppm		
Particulate matter	(PM)	47. 25	an an ma	150 mg/Nm <sup>3</sup>	
Sulphur Di-oxide	(SO <sub>2</sub> )		22.70	100 ppm	
Nitrogen Di-oxide	(NO <sub>2</sub> )		6. 25	50 ppm	

Note: NTP conditions have been taken as 25 Deg. C & 760 mm of Hg atmospheric pressure.

ANALYSED BY,

FOR AKSHAR CONSULTANTS,

2500

D. J. Parell

(Analyst)

(Authorised Signatory)



Report No.: AC/AIR/16-17/058

Date: 04-05-2016

#### STACK SAMPLING ANALYSIS REPORT

UNIT	: Intas Pharmaceuticals Ltd.	Sampling Date: 30-04-2016
SITE	: Plot No. 457, 458, Sarkhej-Bavla Highway, Vil. : Matoda – 382 210. Ta. Sanand, Dist. : Ahmedabad.	TIME: 04:55 PM
SAMPLING LOCATION	: Stack attached to 650 KVA DG set.	FUEL USED : LDO.

#### DUST CONCENTRATION ( PM ) DATA

Stack /Flue gas temperature ( Deg. C )	187.00	
Stack gas velocity (m./sec.)	5.15	
Sampling duration ( min.)	30.00	
Vacuum gauge reading (mm. of Hg.)	10.00	
Volume of gas sampled at NTP conditions (cu. m.)	0.50	
Wt. of PM collected ( mg.)	28.16	and the second second second

#### GAS CONCENTRATION DATA

Sampling duration ( min.)	30.00	
Gas flow-rate ( litres per min.)	5.00	
Volume of gas sampled at NTP conditions (cu. m.)	0.150	and the second s

#### RESULTS

PARAMETER		CONCENT	GPCB Limit	
		mg/Nm3	ppm	
Particulate matter	(PM)	56. 32		150 mg/Nm <sup>3</sup>
Sulphur Di-oxide	$(SO_2)$		26.80	100 ppm
Nitrogen Di-oxide	(NO <sub>2</sub> )		6. 70	50 ppm

Note: NTP conditions have been taken as 25 Deg. C & 760 mm of Hg atmospheric pressure.

ANALYSED BY,

FOR AKSHAR CONSULTANTS,

1885

D. J. Parell

(Analyst)

(Authorised Signatory)



## INSTANTANEOUS NOISE LEVEL MONITORING REPORT

Name of Company: Intas Pharmaceuticals Ltd.

Address

: Plot No. 457, 458, Sarkhej Bavla Highway, Vil. : Motoda – 382 210,

Dist.: Ahmedabad.

Date: 30-04-2016

Sr. No.	LOCATIONS AVERAGE READING (dB)		
	e e e e e e e e e e e e e e e e e e e	09:30 AM to 10:00 AM (day time)	11:35 PM to 12:10 AM (night time)
01	Near main gate no.1.	63.2	52.8
02	Near main gate no. 2.	61.5	52.2
03	Near NE corner of premises.	60.7	54.9
04	Near SE corner of premises.	62.4	53.9
05	Near boiler house.	74.8	64.7
06	Near ETP.	72.7	64.4
07	Near RM storage area.	66.3	58.4
08	Near administration building.	63.5	54.8
09	Near pump house.	70.3	62.2
10	Near DG set & compressor room	78.9	66.8

Measured by,

(Analyst)

For AKSHAR CONSULTANTS,

D. J. Parelle

(AUTHORISED SIGNATORY)

Noicana

1.1		commitment	4		arouth	and	well-heinn
with	a	commitment	10	your	growth	and	wen being



704 & 813. Sakar-5, Nr. Mithakhali Railway Crossing, Off Ashram Road, Ahmedabad - 380 009. Tel/Fax: (079) 26583525

Report No.: AC/AIR/16-17/053

Date: 04-05-2016

## SCRUBBER SAMPLING ANALYSIS REPORT

UNIT	: Intas Pharmaceuticals Ltd.	Sampling Date: 30-04-2016
SITE	: Plot No. 457, 458, Sarkhej-Bavla Highway, Vil. : Matoda – 382 210. Ta. Sanand, Dist. : Ahmedabad.	TIME : 11: 00 AM
SAMPLING LOCATION	: Vent attached to reaction vessel of API Plant.	

#### GAS CONCENTRATION DATA

Sampling duration ( min.)	30.00	
Gas flow-rate ( litres per min.)	5.00	
Volume of gas sampled at NTP conditions (cu. m.)	0.150	

#### RESULTS

PARAMETER		CONCENTRATION	GPCB Limit
IMMAINDIBN		mg/Nm3	mg/Nm3
Particulate Matter	(PM)	Nil	150.00
Sulphur Di-oxide	(SO <sub>2</sub> )	5.25	40.00
Oxides of Nitrogen	(NOx)	2.50	25.00

ANALYSED BY,

13-85

(Analyst)

FOR AKSHAR CONSULTANTS,

D. J. Parell



704 & 813. Sakar-5, Nr. Mithakhali Railway Crossing, Off Ashram Road, Ahmedabad - 380 009. Tel/Fax: (079) 26583525

Report No.: AC/AIR/16-17/054

Date: 04-05-2016

## SCRUBBER SAMPLING ANALYSIS REPORT

UNIT	: Intas Pharmaceuticals Ltd.	Sampling Date : 30-04-2016
SITE	: Plot No. 457, 458, Sarkhej-Bavla H Vil.: Matoda – 382 210. Ta. Sanand Dist.: Ahmedabad.	fighway, TIME:11:45 AM d,
SAMPLING LOCATION	: Vent attached to reaction vessel API Plant.	of

## GAS CONCENTRATION DATA

	30.00
Sampling Duration ( min.)	30.00
Vaccum Gauge Reading (mm. of Hg.)	0.00
Gas flow-rate ( litres per min.)	5.00
Volume of Gas Sampled at STP Conditions (cu. mt.)	0.15

#### RESULTS

PARAMETER		CONCENTRATION	GPCB Limit
		mg/Nm3	mg/Nm3
D. I. L. B. A. attore	(PM)	Nil	150.00
Particulate Matter	(20-)	6.15	40.00
Sulphur Di-oxide	(NO <sub>2</sub> )	2.33	25.00
Oxides of Nitrogen	(140%)		

Note: STP conditions have been taken as 25° C & 760 mm of Hg atmospheric pressure.

ANALYSED BY,

FOR AKSHAR CONSULTANTS,

(Analyst)

(Authorised Signatory)

Is. I. Parell



704 & 813. Sakar-5, Nr. Mithakhali Railway Crossing, Off Ashram Road, Ahmedabad - 380 009. Tel/Fax: (079) 26583525

Report No.: AC/AIR/16-17/059

Date: 04-05-2016

# AMBIENT AIR SAMPLING ANALYSIS REPORT

UNIT	: Intas Pharmaceuticals Ltd.	Sampling Date: 30-04-2016
SITE	: Plot No. 457, 458, Sarkhej-Bavla Highway, Vil.: Matoda – 382 210. Ta. Sanand, Dist.: Ahmedabad.	TIME: 10:00 AM
SAMPLING LOCATION	: In open space near boiler house.	

# AMBIENT AIR QUALITY DATA

(A) 8 hourly observation:	
1. Duration of sampling	10:00 AM to 06:00 PM
2. Weight of PM <sub>2.5</sub> collected	0.384 mg.
3. Volume of Air sampled	7. 445 Cubic meter
4. PM <sub>2.5</sub> concentration	GPCB Limi 51. 58 μg / m³ 60 μg/m³

(B) 8 hourly observation:

Time: 10:00 AM to 06:00 PM

Volume of Air	0.24	GPCB Limit
Sampled (cu. mt.) Sulphur Di-oxide (SO <sub>2</sub> ) (ug/m <sup>3</sup> )	14. 80	80.00
Nitrogen Di-oxide (NO <sub>2</sub> ) (ug/m <sup>3</sup> )	24.90	80.00

ANALYSED BY,

FOR AKSHAR CONSULTANTS,

D. J. Parell

(Authorised Signatory)

(Analyst)



Report No.: AC/AIR/16-17/060

Date: 04-05-2016

# AMBIENT AIR SAMPLING ANALYSIS REPORT

UNIT	: Intas Pharmaceuticals Ltd.	Sampling Date: 30-04-2016
SITE	: Plot No. 457, 458, Sarkhej-Bavla Highway, Vil.: Matoda – 382 210. Ta. Sanand, Dist.: Ahmedabad.	TIME: 10:00 AM
SAMPLING LOCATION	: In open space near boiler house.	

### AMBIENT AIR QUALITY DATA

(A) 8 hourly observation:	
1. Duration of sampling	10:00 AM to 06:00 PM
2. Weight of PM <sub>10</sub> collected	0. 679 mg.
3. Volume of Air sampled	7. 339 Cubic meter
4. PM <sub>10</sub> concentration	GPCB Limit 92. 52 μg / m3 100 μg/m3

ANALYSED BY,

(Analyst)

FOR AKSHAR CONSULTANTS,

D. J. Pareld



Report No.: AC/AIR/16-17/061

Date: 04-05-2016

## WORK AREA AIR SAMPLING ANALYSIS REPORT

UNIT : INTAS PHARMACEUTICALS LTD.

SITE : Plot No. 457, 458, Sarkhej-Bavla Highway,
Vil. : Matoda – 382 210. Ta. Sanand,
Dist. : Ahmedabad.

Sr. No.	Sampling location	Date of Sampling	Weight of PM <sub>2.5</sub> collected (in ug)	Volume of Air sampled (in m³)	Dust concentration - PM <sub>2.5</sub> (in ug/m <sup>3</sup> )	GPCB Limit (in ug/m³)
1	Ware House Dispensing Area	30/04/'16	57. 15	7.75	7.37	60.00
2	First floor of Manufacturing plant	30/04/'16	58.25	7.60	7.66	60.00
3	Second floor of Manufacturing plant	30/04/'16	57.39	7.65	7.50	60.00

Sr. No.	Sampling location	Date of Sampling	Methylene Di- chloride (MDC) concentration (VOC) ( in ug/m³)	Toluene concentration (VOC) ( in ug/m³)
1	Ware House Dispensing Area	30/04/'16	BDL	m on on
2	First floor of Manufacturing plant	30/04/'16	BDL	BDL
3	Second floor of Manufacturing plant	30/04/'16	BDL	50 at 100

BDL: Below Detectable Limit.

ANALYSED BY,

(Analyst)

FOR AKSHAR CONSULTANTS,

D. J. Parell



704 & 813. Sakar-5, Nr. Mithakhali Railway Crossing, Off Ashram Road, Ahmedabad - 380 009. Tel/Fax: (079) 26583525

Ref. No. AC/SOLID/16-17/001

Date: 06-05-2016

Intas Pharmaceuticals Ltd.,

Plot No. 457, 458, Sarkhej – Bavla Highway,

Vil. : Matoda - 382 210, Ta. : Sanand,

Dist.: Ahmedabad.

Sub.: Analysis report of your ETP sludge sample.

Source

Effluent Treatment Plant.

Date of Receipt

30-04-2016

Sample drawn by

: Akshar Consultants.

Physical state

: Semi - solid sludge.

Characteristics	Unit	Results
		7.70
pH (10 % Solution)		
Chemical Oxygen Demand (COD)		9.80
Bio-chemical Oxygen Demand (BOD)	gms/kg	3.20
	gms/kg	16.75
		28.55
Total Inorganic Solids at 550 Deg. C		671.33
		90.82
		10.00
Coloium Hardness (as CaCO <sub>3</sub> )		7.00
Magnagium Hardness (as CaCO <sub>2</sub> )		3.00
TVIAG110010111		N. D. *
	gms/kg	1.85
		pH (10 % Solution)  Chemical Oxygen Demand (COD) gms/kg Bio-chemical Oxygen Demand (BOD) gms/kg Chlorides gms/kg Sulphate gms/kg Total Inorganic Solids at 550 Deg. C gms/kg Total Dissolved Solids gms/kg Calcium Hardness (as CaCO <sub>3</sub> ) gms/kg Magnesium Hardness (as CaCO <sub>3</sub> ) gms/kg Oil & Oil Emulsions gms/kg

N. D. \*: Not Detected in gms/kg.

ANALYSED BY,

World

For AKSHAR CONSULTANTS,

IS. I. Parch

(Analyst)

Ref. No. AC/SOLID/16-17/002

Date: 06-05-2016

Intas Pharmaceuticals Ltd.,

Plot No. 457, 458, Sarkhej - Bavla Highway,

Vil.: Matoda - 382 210, Ta.: Sanand,

Dist.: Ahmedabad.

Sub.: Analysis report of your sludge sample (Incinerator Ash).

Source

Incinerator.

Date of Receipt

30-04-2016

Sample drawn by

: Akshar Consultants.

Physical state

: Dry powder.

Sr.	Characteristics	Unit	Results
No.			- 10
01	pH (10 % Solution)		8.19
02	Chemical Oxygen Demand ( COD )	gms/kg	7.06
03	Bio-chemical Oxygen Demand (BOD)	gms/kg	1.78
04	Chlorides	gms/kg	28.33
05	Sulphate	gms/kg	15.70
06	Total Inorganic Solids at 550 Deg. C	gms/kg	862.05
07	Total Dissolved Solids	gms/kg	100.35
08	Total Hardness (as CaCO <sub>3</sub> )	gms/kg	11.00
09	Calcium Hardness (as CaCO <sub>3</sub> )	gms/kg	7.50
10	Magnesium Hardness (as CaCO <sub>3</sub> )	gms/kg	3.50
11	Oil & Oil Emulsions	gms/kg	N. D. *
12	Total Alkalinity ( as CaCO <sub>3</sub> )	gms/kg	3.18

N. D. \*: Not Detected in gms/kg.

ANALYSED BY,

For AKSHAR CONSULTANTS,

D. J. Parell

(Authorised Signatory)

(Analyst)