



**AKSHAR
CONSULTANTS**

THE ENVIRONMENT MANAGEMENT PEOPLE

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

Report No. AC/EFF/16-17/188

Date : 11-01-2017

Intas Pharmaceuticals Ltd.,
Plot No. 191, Vil. : Chacharwadi-Vasna,
Ta. : Sanand, Dist. : Ahmedabad.

Sub. : ANALYSIS REPORT OF YOUR TREATED EFFLUENT SAMPLE.

Sample drawn by : AKSHAR CONSULTANTS.

Sample drawn date : 04-01-2017.

Sr. No.	Parameter	Result	GPCB Limit
1	pH	8.05	6.5 to 8.5
2	Temperature	26.00	40 Deg. C
3	Colour (Pt-Co Unit)	10.00	100 units
4	Suspended Solids	40.00	100
5	Oil & Grease	3.00	10
6	Phenolic Compounds	0.45	1
7	Cyanides	N. D.*	0.2
8	Fluorides	0.30	1.5
9	Sulphides	N. D.*	0.5
10	Ammonical Nitrogen	42.50	50
11	Arsenic	N. D.*	0.2
12	Total Chromium	N. D.*	2.0
13	Hexavalent Chromium	N. D.*	0.1
14	Copper	N. D.*	2
15	Lead	N. D.*	0.1
16	Mercury	N. D.*	0.01
17	Nickel	N. D.*	3
18	Zink	N. D.*	5
19	Cadmium	N. D.*	2
20	BOD	27.00	30
21	COD	95.00	100
22	Chlorides	574.00	600
23	Sulphate	305.00	1000
24	Total Dissolved Solids	2068.00	2100
25	Insecticides / Pesticides	Absent	Absent
26	Sodium absorption ratio (SAR)	22.95	26
27	Selenium	N. D.*	0.05
28	Boron	N. D.*	2
29	Total residual Chlorine	0.75	1
30	Percent Sodium	57.80	60
31	Bio – assay Test	90 % survival of fish after 96 hrs. in 100 % effluent	90 % survival of fish after 96 hrs. in 100 % effluent

Note : All Parameters except pH, temp., colour, SAR, % Sodium are expressed in mg/L.

N. D.* : Not detected in mg/L.

Analysed By,

(Analyst)

For AKSHAR CONSULTANTS,

(AUTHORISED SIGNATORY)



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INSTANTANEOUS NOISE LEVEL MONITORING REPORT

Name of Company : Intas Pharmaceuticals Ltd.

Address : Plot No. 191, Vil. : Chacharwadi-Vasna,
Ta. : Sanand,
Dist. : Ahmedabad.

Date : 04-01-2017

Sr. No.	LOCATIONS	AVERAGE READING (dB)			
		05:00 PM to 05:30 PM (day time)	GPCB Limit (dB)	11:30 PM to 11:55 PM (night time)	GPCB Limit (dB)
01	Near main gate	59.4	75	50.9	70
02	Near ETP	66.7	75	56.3	70
03	Near Bore well	63.9	75	55.2	70
04	Near Electric Substation	68.7	75	56.7	70
05	Near Canteen	62.8	75	53.9	70
06	Near Utility Area	70.4	75	61.4	70
07	Near Ware House	65.1	75	60.4	70
08	Inside Production Area	67.3	75	62.8	70

Measured by,

(Analyst)

For AKSHAR CONSULTANTS,

(AUTHORISED SIGNATORY)

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Ref. No. AC/SOLID/16-17/023

Date : 11-01-2017

Intas Pharmaceuticals Ltd.,
Plot No. 191, Vil. : Chachrwadi-Vasna,
Ta. : Sanand, Dist. : Ahmedabad.

Sub. : Analysis report of your ETP sludge sample.

Source : Effluent Treatment Plant.
Date of Receipt : 04-01-2017
Sample drawn by : Akshar Consultants.
Physical state : Dry sludge.

Sr. No.	Characteristics	Unit	Results
01	pH (10 % Solution)	----	7.66
02	Chemical Oxygen Demand (COD)	gms/kg	20.10
03	Bio-chemical Oxygen Demand (BOD)	gms/kg	6.02
04	Chlorides	gms/kg	27.65
05	Sulphate	gms/kg	20.14
06	Total Inorganic Solids at 550 Deg. C	gms/kg	698.35
07	Total Dissolved Solids	gms/kg	96.23
08	Total Hardness (as CaCO_3)	gms/kg	12.00
09	Calcium Hardness (as CaCO_3)	gms/kg	7.00
10	Magnesium Hardness (as CaCO_3)	gms/kg	5.00
11	Oil & Oil Emulsions	gms/kg	N. D. *
12	Total Alkalinity (as CaCO_3)	gms/kg	2.99

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

Analysed By,

(Analyst)

For AKSHAR CONSULTANTS,

(AUTHORISED SIGNATORY)



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

Report No. : AC/AIR/16-17/628

Date : 10-01-2017

SCRUBBER SAMPLING ANALYSIS REPORT

UNIT	: Intas Pharmaceuticals Ltd.	Sampling Date : 04-01-2017
SITE	: Plot No. 191, Vil. : Chacharwadi-Vasna Ta. Sanand, Dist. : Ahmedabad.	TIME : 01 : 15 PM
SAMPLING LOCATION	: Vent attached to HCl scrubber of wing - 1.	

GAS CONCENTRATION DATA

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/Nm ³	mg/Nm ³
Hydrochloric Acid (HCl)	12.35	20.00
Chlorine	Nil	9.00
Sulphur Di-oxide (SO ₂)	Nil	40.00
Oxides of Nitrogen (NO _x)	Nil	25.00
Ammonia	Nil	175.00
H ₂ S	Nil	45.00
CS ₂	Nil	180.00
CO	Nil	150.00
Hydro Carbon (VOC)	Nil	45.00
Mercaptan	Nil	0.5 (by volume)

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

ANALYSED BY,

(Analyst)

FOR AKSHAR CONSULTANTS,

(Authorised Signatory)



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

Report No. : AC/AIR/16-17/629

Date : 10-01-2017

SCRUBBER SAMPLING ANALYSIS REPORT

UNIT	: Intas Pharmaceuticals Ltd.	Sampling Date : 04-01-2017
SITE	: Plot No. 191, Vil. : Chacharwadi-Vasna Ta. Sanand, Dist. : Ahmedabad.	TIME : 01 : 55 PM
SAMPLING LOCATION	: Vent attached to HCl scrubber of wing - 2.	

GAS CONCENTRATION DATA

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/Nm ³	mg/Nm ³
Hydrochloric Acid (HCl)	13.70	20.00
Chlorine	Nil	9.00
Sulphur Di-oxide (SO ₂)	Nil	40.00
Oxides of Nitrogen (NO _x)	Nil	25.00
Ammonia	Nil	175.00
H ₂ S	Nil	45.00
CS ₂	Nil	180.00
CO	Nil	150.00
Hydro Carbon (VOC)	Nil	45.00
Mercaptan	Nil	0.5 (by volume)

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

ANALYSED BY,

(Analyst)

FOR AKSHAR CONSULTANTS,

(Authorised Signatory)



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

Report No. : AC/AIR/16-17/630

Date : 10-01-2017

SCRUBBER SAMPLING ANALYSIS REPORT

UNIT	: Intas Pharmaceuticals Ltd.	Sampling Date : 04-01-2017
SITE	: Plot No. 191, Vil. : Chacharwadi-Vasna Ta. Sanand, Dist. : Ahmedabad.	TIME : 02 : 45 PM
SAMPLING LOCATION	: Vent attached to Solvent Vapour scrubber of wing – 1.	

GAS CONCENTRATION DATA

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/Nm ³	mg/Nm ³
Hydrochloric Acid (HCl)	Nil	20.00
Chlorine	Nil	9.00
Sulphur Di-oxide (SO ₂)	Nil	40.00
Oxides of Nitrogen (NO _x)	Nil	25.00
Ammonia	Nil	175.00
H ₂ S	Nil	45.00
CS ₂	Nil	180.00
CO	Nil	150.00
Hydro Carbon (VOC)	5.95	45.00
Mercaptan	Nil	0.5 (by volume)

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

ANALYSED BY,

(Analyst)

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(Authorised Signatory)



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Report No. : AC/AIR/16-17/631

Date : 10-01-2017

SCRUBBER SAMPLING ANALYSIS REPORT

UNIT	: Intas Pharmaceuticals Ltd.	Sampling Date : 04-01-2017
SITE	: Plot No. 191, Vil. : Chacharwadi-Vasna Ta. Sanand, Dist. : Ahmedabad.	TIME : 03 : 30 PM
SAMPLING LOCATION	: Vent attached to Solvent Vapour scrubber of wing - 2.	

GAS CONCENTRATION DATA

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/Nm ³	mg/Nm ³
Hydrochloric Acid (HCl)	Nil	20.00
Chlorine	Nil	9.00
Sulphur Di-oxide (SO ₂)	Nil	40.00
Oxides of Nitrogen (NO _x)	Nil	25.00
Ammonia	Nil	175.00
H ₂ S	Nil	45.00
CS ₂	Nil	180.00
CO	Nil	150.00
Hydro Carbon (VOC)	8.15	45.00
Mercaptan	Nil	0.5 (by volume)

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

ANALYSED BY,

(Analyst)

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(Authorised Signatory)



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Report No. : AC/AIR/16-17/632

Date : 10-01-2017

AMBIENT AIR SAMPLING ANALYSIS REPORT

UNIT	: Intas Pharmaceuticals Ltd.	Sampling Date : 04-01-2017
SITE	: Plot No. 191, Vil. : Chacharwadi-Vasna Ta. Sanand, Dist. : Ahmedabad.	TIME : 09 : 30 AM
SAMPLING LOCATION	: In open space near main gate.	

AMBIENT AIR QUALITY DATA

(A) 8 hourly observation :	
1. Duration of sampling	09 : 30 AM to 05 : 30 PM
2. Weight of PM _{2.5} collected	0.312 mg.
3. Volume of Air sampled	7.685 Cubic meter
4. PM _{2.5} concentration	40.60 µg / m ³ GPCB Limit 60 µg/m ³

(B) 8 hourly observation :

Time : 09 : 30 AM to 05 : 30 PM

Volume of Air Sampled (cu. mt.)	0.24	GPCB Limit µg/m ³
Sulphur Di-oxide (SO₂) (ug/m³)	12.55	80.00
Nitrogen Di-oxide (NO₂) (ug/m³)	29.74	80.00

ANALYSED BY,

(Analyst)

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Report No. : AC/AIR/16-17/633

Date : 10-01-2017

AMBIENT AIR SAMPLING ANALYSIS REPORT

UNIT	: Intas Pharmaceuticals Ltd.	Sampling Date : 04-01-2017
SITE	: Plot No. 191, Vil. : Chacharwadi-Vasna Ta. Sanand, Dist. : Ahmedabad.	TIME : 09 : 30 AM
SAMPLING LOCATION	: In open space near main gate.	

AMBIENT AIR QUALITY DATA

(A) 8 hourly observation :	
1. Duration of sampling	09 : 30 AM to 05 : 30 PM
2. Weight of PM ₁₀ collected	0.538 mg.
3. Volume of Air sampled	7.590 Cubic meter
4. PM ₁₀ concentration	70.88 µg / m³ GPCB Limit 100 µg/m³

ANALYSED BY,

(Analyst)

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(Authorised Signatory)



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Report No. : AC/AIR/16-17/634

Date : 10-01-2017

WORK AREA AIR SAMPLING ANALYSIS REPORT

UNIT	: INTAS PHARMACEUTICALS LTD.
SITE	: Plot No. 191, Vil. : Chacharwadi-Vasna Ta. Sanand, Dist. : Ahmedabad.

Sr. No.	Sampling location	Date of Sampling	Weight of PM _{2.5} collected (in ug)	Volume of Air sampled (in m ³)	Dust concentration – PM _{2.5} (in ug/m ³)	GPCB Limit (in ug/m ³)
1	Ware House Dispensing Area	04/01/'17	60.85	7.85	7.75	60.00
2	Ground floor of Manufacturing plant	04/01/'17	62.90	7.35	8.55	60.00
3	First floor of Manufacturing plant	04/01/'17	61.88	7.45	8.31	60.00

Sr. No.	Sampling location	Date of Sampling	Ethyl Acetate concentration (VOC) (in ug/m ³)
1	Ware House Dispensing Area	04/01/'17	BDL
2	Ground floor of Manufacturing plant	04/01/'17	BDL
3	First floor of Manufacturing plant	04/01/'17	BDL

BDL : Below Detectable Limit.

ANALYSED BY,

(Analyst)

FOR AKSHAR CONSULTANTS,

(Authorised Signatory)