



**AKSHAR
CONSULTANTS**

THE ENVIRONMENT MANAGEMENT PEOPLE

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

Date : 06-05-2016

Report No. AC/EFF/16-17/016

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 : 30-04-2016.

Sr. No.	Parameter	Result	GPCB Limit
1	pH	7.85	6.5 to 8.5
2	Temperature	36.00	40 Deg. C
3	Colour (Pt-Co Unit)	10.00	100 units
4	Suspended Solids	94.00	100
5	Oil & Grease	1.00	10
6	Phenolic Compounds	0.25	1
7	Cyanides	N. D.*	0.2
8	Fluorides	0.20	1.5
9	Sulphides	N. D.*	0.5
10	Ammonical Nitrogen	28.35	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	28.00	30
21	COD	96.00	100
22	Chlorides	558.00	600
23	Sulphate	336.00	1000
24	Total Dissolved Solids	2071.00	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	55.25	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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704 & 813, Sakar-5, Nr. Mithakhali Railway Crossing, Off Ashram Road, Ahmedabad - 380 009. Tel/Fax : (079) 26583525

Ref. No. AC/SOLID/16-17/003

Date : 06-05-2016

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 : 30-04-2016
Sample drawn by : **Akshar Consultants.**
Physical state : Semi – solid sludge.

Sr. No.	Characteristics	Unit	Results
01	pH (10 % Solution)	----	7.62
02	Chemical Oxygen Demand (COD)	gms/kg	27.25
03	Bio-chemical Oxygen Demand (BOD)	gms/kg	7.30
04	Chlorides	gms/kg	28.80
05	Sulphate	gms/kg	18.55
06	Total Inorganic Solids at 550 Deg. C	gms/kg	671.40
07	Total Dissolved Solids	gms/kg	90.70
08	Total Hardness (as CaCO_3)	gms/kg	13.00
09	Calcium Hardness (as CaCO_3)	gms/kg	8.00
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	2.05

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

Analysed By,

(Analyst)

For AKSHAR CONSULTANTS,

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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 : 30-04-2016

Sr. No.	LOCATIONS	AVERAGE READING (dB)			
		04:00 PM to 04:30 PM (day time)	GPCB Limit (dB)	11:15 PM to 11:45 PM (night time)	GPCB Limit (dB)
01	Near main gate	56.7	75	51.4	70
02	Near ETP	62.2	75	55.8	70
03	Near Bore well	59.7	75	55.2	70
04	Near Electric Substation	67.4	75	53.6	70
05	Near Canteen	63.8	75	53.4	70
06	Near Utility Area	65.8	75	56.2	70
07	Near Ware House	61.9	75	58.4	70
08	Inside Production Area	66.7	75	61.4	70

Measured 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/16-17/062

Date : 04-05-2016

SCRUBBER SAMPLING ANALYSIS REPORT

UNIT	: Intas Pharmaceuticals Ltd.	Sampling Date : 30-04-2016
SITE	: Plot No. 191, Vil. : Chacharwadi-Vasna Ta. Sanand, Dist. : Ahmedabad.	TIME : 12 : 15 PM
SAMPLING LOCATION	: Vent attached to HCl scrubber of wing - 1.	

GAS CONCENTRATION DATA

Sampling Duration (min.)	30.00
Vacuum 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)	11.75	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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Report No. : AC/AIR/16-17/063

Date : 04-05-2016

SCRUBBER SAMPLING ANALYSIS REPORT

UNIT	: Intas Pharmaceuticals Ltd.	Sampling Date : 30-04-2016
SITE	: Plot No. 191, Vil. : Chacharwadi-Vasna Ta. Sanand, Dist. : Ahmedabad.	TIME : 03 : 00 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)	12.66	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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Report No. : AC/AIR/16-17/064

Date : 04-05-2016

SCRUBBER SAMPLING ANALYSIS REPORT

UNIT	: Intas Pharmaceuticals Ltd.	Sampling Date : 30-04-2016
SITE	: Plot No. 191, Vil. : Chacharwadi-Vasna Ta. Sanand, Dist. : Ahmedabad.	TIME : 04 : 20 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)	6.35	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/16-17/065

Date : 04-05-2016

SCRUBBER SAMPLING ANALYSIS REPORT

UNIT	: Intas Pharmaceuticals Ltd.	Sampling Date : 30-04-2016
SITE	: Plot No. 191, Vil. : Chacharwadi-Vasna Ta. Sanand, Dist. : Ahmedabad.	TIME : 04 : 50 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)	8.85	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/16-17/066

Date : 04-05-2016

AMBIENT AIR SAMPLING ANALYSIS REPORT

UNIT	: Intas Pharmaceuticals Ltd.	Sampling Date : 30-04-2016
SITE	: Plot No. 191, Vil. : Chacharwadi-Vasna Ta. Sanand, Dist. : Ahmedabad.	TIME : 10 : 00 AM
SAMPLING LOCATION	: In open space near main gate.	

AMBIENT AIR QUALITY DATA

<u>(A) 8 hourly observation :</u>	
1. Duration of sampling	10 : 00 AM to 06 : 00 PM
2. Weight of PM _{2.5} collected	0.396 mg.
3. Volume of Air sampled	7.480 Cubic meter
4. PM _{2.5} concentration	52.94 µg / m ³ GPCB Limit 60 µg/m ³

(B) 8 hourly observation :

Time : 10 : 00 AM to 06 : 00 PM

Volume of Air Sampled (cu. mt.)	0.24	GPCB Limit µg/m ³
Sulphur Di-oxide (SO ₂) (µg/m ³)	15.33	80.00
Nitrogen Di-oxide (NO ₂) (µg/m ³)	26.85	80.00

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Report No. : AC/AIR/16-17/067

Date : 04-05-2016

AMBIENT AIR SAMPLING ANALYSIS REPORT

UNIT	: Intas Pharmaceuticals Ltd.	Sampling Date : 30-04-2016
SITE	: Plot No. 191, Vil. : Chacharwadi-Vasna Ta. Sanand, Dist. : Ahmedabad.	TIME : 10 : 00 AM
SAMPLING LOCATION	: In open space near main gate.	

AMBIENT AIR QUALITY DATA

(A) <u>8 hourly observation</u> :	
1. Duration of sampling	10 : 00 AM to 06 : 00 PM
2. Weight of PM ₁₀ collected	0.683 mg.
3. Volume of Air sampled	7.556 Cubic meter
4. PM ₁₀ concentration	90.39 µg / m ³ GPCB Limit 100 µg/m ³

ANALYSED BY,

(Analyst)

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Report No. : AC/AIR/16-17/068

Date : 04-05-2016

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	30/04/'16	56.15	7.55	7.43	60.00
2	Ground floor of Manufacturing plant	30/04/'16	57.35	7.45	7.69	60.00
3	First floor of Manufacturing plant	30/04/'16	54.30	7.40	7.33	60.00

Sr. No.	Sampling location	Date of Sampling	Ethyl Acetate concentration (VOC) (in ug/m ³)
1	Ware House Dispensing Area	30/04/'16	BDL
2	Ground floor of Manufacturing plant	30/04/'16	BDL
3	First floor of Manufacturing plant	30/04/'16	BDL

BDL : Below Detectable Limit.

ANALYSED BY,

(Analyst)

FOR AKSHAR CONSULTANTS,

(Authorised Signatory)