



**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/15-16/166

Date : 09-10-2015

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 : 03-10-2015.

Sr. No.	Parameter	Result	GPCB Limit
1	pH	7.41	6.5 to 8.5
2	Temperature	32.00	40 Deg. C
3	Colour (Pt-Co Unit)	10.00	100 units
4	Suspended Solids	45.00	100
5	Oil & Grease	1.00	10
6	Phenolic Compounds	0.15	1
7	Cyanides	N. D.*	0.2
8	Fluorides	0.20	1.5
9	Sulphides	N. D.*	0.5
10	Ammonical Nitrogen	21.55	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	539.00	600
23	Sulphate	298.00	1000
24	Total Dissolved Solids	2075.00	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	53.90	60
31	Bio – assay Test	91 % 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,

(Signature)

(Analyst)

For AKSHAR CONSULTANTS,

(Signature)

(AUTHORISED SIGNATORY)



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Report No. : AC/AIR/15-16/493

Date : 07-10-2015

SCRUBBER SAMPLING ANALYSIS REPORT

UNIT	: Intas Pharmaceuticals Ltd.	Sampling Date : 03-10-2015
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
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)	14.25	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/15-16/494

Date : 07-10-2015

SCRUBBER SAMPLING ANALYSIS REPORT

UNIT	: Intas Pharmaceuticals Ltd.	Sampling Date : 03-10-2015
SITE	: Plot No. 191, Vil. : Chacharwadi-Vasna Ta. Sanand, Dist. : Ahmedabad.	TIME : 04 : 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)	13.75	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/15-16/495

Date : 07-10-2015

SCRUBBER SAMPLING ANALYSIS REPORT

UNIT	: Intas Pharmaceuticals Ltd.	Sampling Date : 03-10-2015
SITE	: Plot No. 191, Vil. : Chacharwadi-Vasna Ta. Sanand, Dist. : Ahmedabad.	TIME : 04 : 40 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)	7.60	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/15-16/496

Date : 07-10-2015

SCRUBBER SAMPLING ANALYSIS REPORT

UNIT	: Intas Pharmaceuticals Ltd.	Sampling Date : 03-10-2015
SITE	: Plot No. 191, Vil. : Chacharwadi-Vasna Ta. Sanand, Dist. : Ahmedabad.	TIME : 05 : 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)	10.15	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)

FOR AKSHAR CONSULTANTS,

(Authorised Signatory)



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Report No. : AC/AIR/15-16/497

Date : 07-10-2015

AMBIENT AIR SAMPLING ANALYSIS REPORT

UNIT	: Intas Pharmaceuticals Ltd.	Sampling Date : 03-10-2015
SITE	: Plot No. 191, Vil. : Chacharwadi-Vasna Ta. Sanand, Dist. : Ahmedabad.	TIME : 09 : 45 AM
SAMPLING LOCATION	: In open space near main gate.	

AMBIENT AIR QUALITY DATA

(A) 8 hourly observation :	
1. Duration of sampling	09 : 45 AM to 05 : 45 PM
2. Weight of PM _{2.5} collected	0.389 mg.
3. Volume of Air sampled	7.390 Cubic meter
4. PM _{2.5} concentration	GPCB Limit 52.64 µg / m ³ 60 µg/m ³

(B) 8 hourly observation :

Time : 09 : 45 AM to 05 : 45 PM

Volume of Air Sampled (cu. mt.)	0.24	GPCB Limit µg/m ³
Sulphur Di-oxide (SO₂) (ug/m³)	18.12	80.00
Nitrogen Di-oxide (NO₂) (ug/m³)	28.25	80.00

ANALYSED BY,

(Analyst)

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(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/15-16/498

Date : 07-10-2015

AMBIENT AIR SAMPLING ANALYSIS REPORT

UNIT	: Intas Pharmaceuticals Ltd.	Sampling Date : 03-10-2015
SITE	: Plot No. 191, Vil. : Chacharwadi-Vasna Ta. Sanand, Dist. : Ahmedabad.	TIME : 09 : 45 AM
SAMPLING LOCATION	: In open space near main gate.	

AMBIENT AIR QUALITY DATA

(A) 8 hourly observation :	
1. Duration of sampling	09 : 45 AM to 05 : 45 PM
2. Weight of PM ₁₀ collected	0.676 mg.
3. Volume of Air sampled	7.455 Cubic meter
4. PM₁₀ concentration	90.68 µg / m³ GPCB Limit 100 µg/m³

ANALYSED BY,

(Analyst)

FOR AKSHAR CONSULTANTS,

(Authorised Signatory)



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Report No. : AC/AIR/15-16/499

Date : 07-10-2015

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	03/10/'15	53.75	7.55	7.12	60.00
2	Ground floor of Manufacturing plant	03/10/'15	53.31	7.66	6.96	60.00
3	First floor of Manufacturing plant	03/10/'15	56.69	7.82	7.25	60.00

Sr. No.	Sampling location	Date of Sampling	Ethyl Acetate concentration (VOC) (in ug/m ³)
1	Ware House Dispensing Area	04/07/'15	BDL
2	Ground floor of Manufacturing plant	04/07/'15	BDL
3	First floor of Manufacturing plant	04/07/'15	BDL

BDL : Below Detectable Limit.

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/15-16/017

Date : 09-10-2015

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 : 03-10-2015
Sample drawn by : Akshar Consultants.
Physical state : Semi – solid sludge.

Sr. No.	Characteristics	Unit	Results
01	pH (10 % Solution)	----	7.80
02	Chemical Oxygen Demand (COD)	gms/kg	38.25
03	Bio-chemical Oxygen Demand (BOD)	gms/kg	9.40
04	Chlorides	gms/kg	30.86
05	Sulphate	gms/kg	20.75
06	Total Inorganic Solids at 550 Deg. C	gms/kg	696.50
07	Total Dissolved Solids	gms/kg	88.31
08	Total Hardness (as CaCO_3)	gms/kg	14.00
09	Calcium Hardness (as CaCO_3)	gms/kg	9.00
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	2.70

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

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 : 03-10-2015

Sr. No.	LOCATIONS	AVERAGE READING (dB)			
		03:30 PM to 04:00 PM (day time)	GPCB Limit (dB)	11:15 PM to 11:45 PM (night time)	GPCB Limit (dB)
01	Near main gate	53.7	75	51.4	70
02	Near ETP	58.9	75	53.6	70
03	Near Bore well	58.4	75	53.0	70
04	Near Electric Substation	62.2	75	57.1	70
05	Near Canteen	63.9	75	54.8	70
06	Near Utility Area	62.7	75	56.1	70
07	Near Ware House	63.8	75	58.1	70
08	Inside Production Area	62.2	75	55.8	70

Measured by,

(Analyst)

For AKSHAR CONSULTANTS,

(AUTHORISED SIGNATORY)

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