



**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/14-15/204 Date : 09-01-2015

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

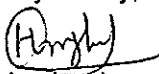
Sub. : ANALYSIS REPORT OF YOUR TREATED EFFLUENT SAMPLE.

Sample drawn by : AKSHAR CONSULTANTS.
Sample drawn date : 03-01-2015.

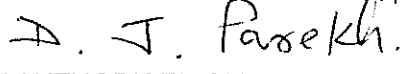
Sr. No.	Parameter	Result	GPCB Limit
1	pH	7.54	6.5 to 8.5
2	Temperature	22.00	40 Deg. C
3	Colour (Pt-Co Unit)	10.00	100 units
4	Suspended Solids	64.00	100
5	Oil & Grease	1.00	10
6	Phenolic Compounds	0.20	1
7	Cyanides	N. D.*	0.2
8	Fluorides	0.20	1.5
9	Sulphides	N. D.*	0.5
10	Ammonical Nitrogen	14.00	50
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	18.00	30
21	COD	78.00	100
22	Chlorides	522.00	600
23	Sulphate	268.00	1000
24	Total Dissolved Solids	2063.00	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	0.65	1
30	Percent Sodium	54.30	60
31	Bio - assay Test	91 % survival of fish after 96 hours in 100 % effluent	90 % survival of fish after 96 hours 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)

EFFNA



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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/14-15/619

Date : 08-01-2015

SCRUBBER SAMPLING ANALYSIS REPORT

UNIT	: Intas Pharmaceuticals Ltd.	Sampling Date : 03-01-2015
SITE	: Plot No. 191, Vil. : Chacharwadi-Vasna Ta. Sanand, Dist. : Ahmedabad.	TIME : 03 : 00 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

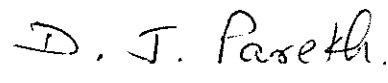
PARAMETER	CONCENTRATION	GPCB Limit
	mg/Nm ³	mg/Nm ³
Hydrochloric Acid (HCl)	15.60	20.00
Chlorine	Nil	9.00
Sulphur Di-oxide (SO ₂)	Nil	40.00
Oxides of Nitrogen (NO _x)	Nil	25.00
Ammonia	Nil	175.00
H ₂ S	Nil	45.00
CS ₂	Nil	180.00
CO	Nil	150.00
Hydro Carbon (VOC)	Nil	45.00
Mercaptan	Nil	0.5 (by volume)

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

ANALYSED BY,


(Analyst)

FOR AKSHAR CONSULTANTS,


(Authorised Signatory)

STAKANA



**AKSHAR
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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/AIR/14-15/620

Date : 08-01-2015

SCRUBBER SAMPLING ANALYSIS REPORT

UNIT	: Intas Pharmaceuticals Ltd.	Sampling Date : 03-01-2015
SITE	: Plot No. 191, Vil. : Chacharwadi-Vasna Ta. Sanand, Dist. : Ahmedabad.	TIME : 03 : 45 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

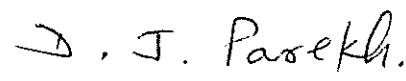
PARAMETER	CONCENTRATION	GPCB Limit
	mg/Nm ³	mg/Nm ³
Hydrochloric Acid (HCl)	13.80	20.00
Chlorine	Nil	9.00
Sulphur Di-oxide (SO ₂)	Nil	40.00
Oxides of Nitrogen (NO _x)	Nil	25.00
Ammonia	Nil	175.00
H ₂ S	Nil	45.00
CS ₂	Nil	180.00
CO	Nil	150.00
Hydro Carbon (VOC)	Nil	45.00
Mercaptan	Nil	0.5 (by volume)

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/14-15/621

Date : 08-01-2015

SCRUBBER SAMPLING ANALYSIS REPORT

UNIT	: Intas Pharmaceuticals Ltd.	Sampling Date : 03-01-2015
SITE	: Plot No. 191, Vil. : Chacharwadi-Vasna Ta. Sanand, Dist. : Ahmedabad.	TIME : 04 : 30 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

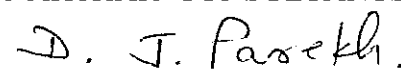
PARAMETER	CONCENTRATION	GPCB Limit
	mg/Nm ³	mg/Nm ³
Hydrochloric Acid (HCl)	Nil	20.00
Chlorine	Nil	9.00
Sulphur Di-oxide (SO ₂)	Nil	40.00
Oxides of Nitrogen (NO _x)	Nil	25.00
Ammonia	Nil	175.00
H ₂ S	Nil	45.00
CS ₂	Nil	180.00
CO	Nil	150.00
Hydro Carbon (VOC)	8.25	45.00
Mercaptan	Nil	0.5 (by volume)

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/14-15/622

Date : 08-01-2015

SCRUBBER SAMPLING ANALYSIS REPORT

UNIT	: Intas Pharmaceuticals Ltd.	Sampling Date : 03-01-2015
SITE	: Plot No. 191, Vil. : Chacharwadi-Vasna Ta. Sanand, Dist. : Ahmedabad.	TIME : 05 : 15 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

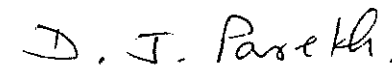
PARAMETER	CONCENTRATION	GPCB Limit
	mg/Nm ³	mg/Nm ³
Hydrochloric Acid (HCl)	Nil	20.00
Chlorine	Nil	9.00
Sulphur Di-oxide (SO ₂)	Nil	40.00
Oxides of Nitrogen (NO _x)	Nil	25.00
Ammonia	Nil	175.00
H ₂ S	Nil	45.00
CS ₂	Nil	180.00
CO	Nil	150.00
Hydro Carbon (VOC)	12.40	45.00
Mercaptan	Nil	0.5 (by volume)

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/14-15/623

Date : 08-01-2015

AMBIENT AIR SAMPLING ANALYSIS REPORT

UNIT	: Intas Pharmaceuticals Ltd.	Sampling Date : 03-01-2015
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) 8 hourly observation :	
1. Duration of sampling	10 : 00 AM to 06 : 00 PM
2. Weight of PM _{2.5} collected	0.439 mg.
3. Volume of Air sampled.	8.305 Cubic meter
4. PM _{2.5} concentration	52.86 µg / m ³ GPCB Limit 60 µg/m ³

(B) 8 hourly observation :

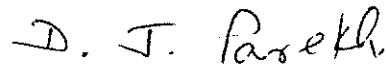
Time : 10 : 00 AM to 06 : 00 PM

Volume of Air Sampled (cu. mt.)	0.24	GPCB Limit µg/m ³
Sulphur Di-oxide (SO ₂) (ug/m ³)	18.90	80.00
Nitrogen Di-oxide (NO ₂) (ug/m ³)	31.40	80.00

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/14-15/624

Date : 08-01-2015


AMBIENT AIR SAMPLING ANALYSIS REPORT

UNIT	: Intas Pharmaceuticals Ltd.	Sampling Date : 03-01-2015
SITE	: Plot No. 191, Vil. : Chacharwadi-Vasna Ta. Sanand, Dist. : Ahmedabad.	TIME : 10 : 00 AM
SAMPLING LOCATION	: In open space near main gate.	

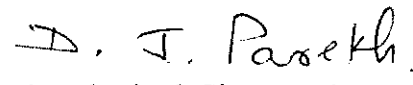
AMBIENT AIR QUALITY DATA

(A) 8 hourly observation :	
1. Duration of sampling	10 : 00 AM to 06 : 00 PM
2. Weight of PM ₁₀ collected	0.696 mg.
3. Volume of Air sampled	8.155 Cubic meter
4. PM ₁₀ concentration	85.35 µg / m ³ GPCB Limit 100 µg/m ³

ANALYSED BY,


(Analyst)

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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/14-15/026

Date : 09-01-2015

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

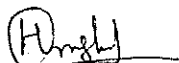
Sub. : Analysis report of your ETP sludge sample.

Source : Effluent Treatment Plant.
Date of Receipt : 03-01-2015
Sample drawn by : **Akshar Consultants.**
Physical state : Semi – solid sludge.

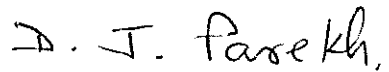
Sr. No.	Characteristics	Unit	Results
01	pH (10 % Solution)	----	7.65
02	Chemical Oxygen Demand (COD)	gms/kg	52.95
03	Bio-chemical Oxygen Demand (BOD)	gms/kg	13.41
04	Chlorides	gms/kg	31.22
05	Sulphate	gms/kg	15.80
06	Total Inorganic Solids at 550 Deg. C	gms/kg	682.13
07	Total Dissolved Solids	gms/kg	91.55
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	3.52
13	Moisture	%	68.51

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

ANALYSED BY,


(Analyst)

For AKSHAR CONSULTANTS,


(Authorised Signatory)

SLUDGE



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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/14-15/625

Date : 08-01-2015

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	03/01/'15	50.63	8.10	6.25	60.00
2	Ground floor of Manufacturing plant	03/01/'15	55.76	8.20	6.80	60.00
3	First floor of Manufacturing plant	03/01/'15	48.80	8.00	6.10	60.00

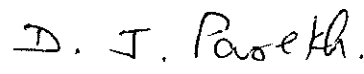
Sr. No.	Sampling location	Date of Sampling	Ethyl Acetate concentration (VOC) (in ug/m ³)
1	Ware House Dispensing Area	03/01/'15	BDL
2	Ground floor of Manufacturing plant	03/01/'15	BDL
3	First floor of Manufacturing plant	03/01/'15	BDL

BDL : Below Detectable Limit.

ANALYSED BY,


(Analyst)

FOR AKSHAR CONSULTANTS,


(Authorised Signatory)

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