



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/14-15/064

Date : 10-07-2014

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 : 05-07-2014.

Sr. No.	Parameter	Result	GPCB Limit
1	pH	7.21	6.5 to 8.5
2	Temperature	34.00	40 Deg. C
3	Colour (Pt-Co Unit)	10.00	100 units
4	Suspended Solids	90.00	100
5	Oil & Grease	3.00	10
6	Phenolic Compounds	0.20	1
7	Cyanides	N. D.*	0.2
8	Fluorides	0.30	1.5
9	Sulphides	N. D.*	0.5
10	Ammonical Nitrogen	10.50	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	16.00	30
21	COD	56.00	100
22	Chlorides	511.00	600
23	Sulphate	254.00	1000
24	Total Dissolved Solids	2021.00	2100
25	Insecticides / Pesticides	Absent	Absent
26	Sodium absorption ratio (SAR)	22.00	26
27	Selenium	N. D.*	0.05
28	Boron	N. D.*	2
29	Total residual Chlorine	0.50	1
30	Percent Sodium	54.70	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/14-15/208

SCRUBBER SAMPLING ANALYSIS REPORT

UNIT	: Intas Pharmaceuticals Ltd.	DATE	: 05-07-2014
SITE	: Plot No. 191, Vil. : Chacharwadi-Vasna Ta. Sanand, Dist. : Ahmedabad.	TIME	: 02 : 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

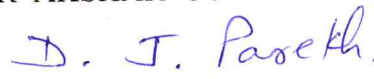
PARAMETER	CONCENTRATION	GPCB Limit
	mg/Nm ³	mg/Nm ³
Hydrochloric Acid (HCl)	13.75	20.00
Chlorine	Nil	9.00
Sulphur Di-oxide (SO ₂)	Nil	40.00
Oxides of Nitrogen (NO _x)	Nil	25.00
Ammonia	Nil	175.00
H ₂ S	Nil	45.00
CS ₂	Nil	180.00
CO	Nil	150.00
Hydro Carbon (VOC)	Nil	45.00
Mercaptan	Nil	0.5 (by volume)

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

ANALYSED BY,


(Analyst)

FOR AKSHAR CONSULTANTS,


(Authorised Signatory)

STAKANA



AKSHAR CONSULTANTS

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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/14-15/209

SCRUBBER SAMPLING ANALYSIS REPORT

UNIT	: Intas Pharmaceuticals Ltd.	DATE : 05-07-2014
SITE	: Plot No. 191, Vil. : Chacharwadi-Vasna Ta. Sanand, Dist. : Ahmedabad.	TIME : 02 : 40 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

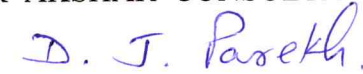
PARAMETER	CONCENTRATION	GPCB Limit
	mg/Nm ³	mg/Nm ³
Hydrochloric Acid (HCl)	12.70	20.00
Chlorine	Nil	9.00
Sulphur Di-oxide (SO ₂)	Nil	40.00
Oxides of Nitrogen (NO _x)	Nil	25.00
Ammonia	Nil	175.00
H ₂ S	Nil	45.00
CS ₂	Nil	180.00
CO	Nil	150.00
Hydro Carbon (VOC)	Nil	45.00
Mercaptan	Nil	0.5 (by volume)

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

ANALYSED BY,


(Analyst)

FOR AKSHAR CONSULTANTS,


(Authorised Signatory)

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Report No. : AC/AIR/14-15/210

SCRUBBER SAMPLING ANALYSIS REPORT

UNIT	: Intas Pharmaceuticals Ltd.	DATE	: 05-07-2014
SITE	: Plot No. 191, Vil. : Chacharwadi-Vasna Ta. Sanand, Dist. : Ahmedabad.	TIME	: 03 : 15 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

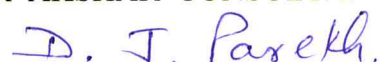
PARAMETER	CONCENTRATION	GPCB Limit
	mg/Nm ³	mg/Nm ³
Hydrochloric Acid (HCl)	Nil	20.00
Chlorine	Nil	9.00
Sulphur Di-oxide (SO ₂)	Nil	40.00
Oxides of Nitrogen (NO _x)	Nil	25.00
Ammonia	Nil	175.00
H ₂ S	Nil	45.00
CS ₂	Nil	180.00
CO	Nil	150.00
Hydro Carbon (VOC)	8.00	45.00
Mercaptan	Nil	0.5 (by volume)

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/14-15/211

SCRUBBER SAMPLING ANALYSIS REPORT

UNIT	: Intas Pharmaceuticals Ltd.	DATE : 05-07-2014
SITE	: Plot No. 191, Vil. : Chacharwadi-Vasna Ta. Sanand, Dist. : Ahmedabad.	TIME : 04 : 00 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)	9.00	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



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Report No. : AC/AIR/14-15/212

AMBIENT AIR SAMPLING ANALYSIS REPORT

UNIT	: Intas Pharmaceuticals Ltd.	DATE : 05-07-2014
SITE	: Plot No. 191, Vil. : Chacharwadi-Vasna Ta. Sanand, Dist. : Ahmedabad.	TIME : 10 : 30 AM
SAMPLING LOCATION	: In open space near main gate.	

AMBIENT AIR QUALITY DATA

(A) 8 hourly observation :	
1. Duration of sampling	10 : 30 AM to 06 : 30 PM
2. Weight of PM _{2.5} collected	0.424 mg.
3. Volume of Air sampled	8.055 Cubic meter
4. PM _{2.5} concentration	52.64 $\mu\text{g} / \text{m}^3$ GPCB Limit 60 $\mu\text{g}/\text{m}^3$

(B) 8 hourly observation :

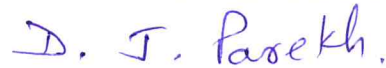
Time : 10 : 30 AM to 06 : 30 PM

Volume of Air Sampled (cu. mt.)	0.24	GPCB Limit $\mu\text{g}/\text{m}^3$
Sulphur Di-oxide (SO ₂) ($\mu\text{g}/\text{m}^3$)	16.30	80.00
Nitrogen Di-oxide (NO ₂) ($\mu\text{g}/\text{m}^3$)	28.75	80.00

ANALYSED BY,


(Analyst)

FOR AKSHAR CONSULTANTS,


(Authorised Signatory)

STAKANA



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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

Ref. No. AC/SOLID/14-15/011

Date : 10-07-2014

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 : 05-07-2014
Sample drawn by : Akshar Consultants.
Physical state : Semi – solid sludge.

Sr. No.	Characteristics	Unit	Results
01	pH (10 % Solution)	----	7.90
02	Chemical Oxygen Demand (COD)	gms/kg	65.45
03	Bio-chemical Oxygen Demand (BOD)	gms/kg	15.30
04	Chlorides	gms/kg	26.05
05	Sulphate	gms/kg	13.25
06	Total Inorganic Solids at 550 Deg. C	gms/kg	688.65
07	Total Dissolved Solids	gms/kg	74.15
08	Total Hardness (as CaCO_3)	gms/kg	12.00
09	Calcium Hardness (as CaCO_3)	gms/kg	8.00
10	Magnesium Hardness (as CaCO_3)	gms/kg	4.00
11	Oil & Oil Emulsions	gms/kg	N. D. *
12	Total Alkalinity (as CaCO_3)	gms/kg	3.25

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

ANALYSED BY,

(Analyst)

For AKSHAR CONSULTANTS,

(Authorised Signatory)

SLUDGE



AKSHAR CONSULTANTS

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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/14-15/213

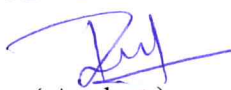
AMBIENT AIR SAMPLING ANALYSIS REPORT

UNIT	: Intas Pharmaceuticals Ltd.	DATE : 05-07-2014
SITE	: Plot No. 191, Vil. : Chacharwadi-Vasna Ta. Sanand, Dist. : Ahmedabad.	TIME : 10 : 30 AM
SAMPLING LOCATION	: In open space near main gate.	

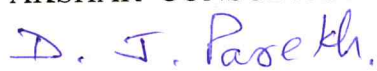
AMBIENT AIR QUALITY DATA

(A) 8 hourly observation :	
1. Duration of sampling	10 : 30 AM to 06 : 30 PM
2. Weight of PM ₁₀ collected	0.675 mg.
3. Volume of Air sampled	7.800 Cubic meter
4. PM ₁₀ concentration	GPCB Limit 86.54 µg / m ³ 100 µg/m ³

ANALYSED BY,


(Analyst)

FOR AKSHAR CONSULTANTS,


(Authorised Signatory)

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Report No. : AC/AIR/14-15/215

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	05/07/'14	49.98	7.75	6.45	60.00
2	Ground floor of Manufacturing plant	05/07/'14	47.58	7.80	6.10	60.00
3	First floor of Manufacturing plant	05/07/'14	47.60	8.00	5.95	60.00

Sr. No.	Sampling location	Date of Sampling	Ethyl Acetate concentration (VOC) (in ug/m ³)
1	Ware House Dispensing Area	05/07/'14	BDL
2	Ground floor of Manufacturing plant	05/07/'14	BDL
3	First floor of Manufacturing plant	05/07/'14	BDL

BDL : Below Detectable Limit.

ANALYSED BY,

(Analyst)

FOR AKSHAR CONSULTANTS,

D. J. Parekh,
(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 : 05-07-2014.

Sr. No.	LOCATIONS	AVERAGE READING (dB)			
		02:00 PM to 02:30 PM (day time)	GPCB Limit (dB)	11:00 PM to 11:25 PM (night time)	GPCB Limit (dB)
01	Near main gate	52.9	75	50.4	70
02	Near ETP	55.6	75	52.7	70
03	Near Bore well	57.8	75	52.9	70
04	Near Electric Substation	61.4	75	56.8	70
05	Near Canteen	63.4	75	53.8	70
06	Near Utility Area	60.8	75	57.4	70
07	Near Ware House	64.9	75	60.8	70
08	Inside Production Area	61.8	75	57.1	70

Measured by,

(Analyst)

For AKSHAR CONSULTANTS,

(AUTHORISED SIGNATORY)

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