



**AKSHAR  
CONSULTANTS**

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/EFF/15-16/229 Date : 16-01-2016

Intas Pharmaceuticals Ltd.,  
Plot No. 457, 458, Sarkhej – Bavala Highway,  
Vil. : Matoda – 382 210, Ta. : Sanand,  
Dist. : Ahmedabad.

**Sub. : ANALYSIS REPORT OF YOUR TREATED EFFLUENT SAMPLE.**

Sample drawn by : Akshar Consultants.  
Sample collection date : 09-01-2016.

Sr. No.	Parameter	Result	GPCB Limit
01	pH	7.65	6.5 – 8.5
02	Temperature ( Deg. C )	28.00	40.00
03	Colour ( Pt-Co unit )	10.00	100.00
04	Total Suspended Solids	91.00	100.00
05	Oil & Grease	1.00	10.00
06	Phenolic Compounds	Nil	1.00
07	Cyanides	N. D. *	0.20
08	Fluorides	0.20	2.00
09	Sulphides	0.35	2.00
10	Ammonical Nitrogen	9.35	50.00
11	Total Chromium	N. D. *	2.00
12	Hexavalent Chromium	N. D. *	0.10
13	Copper	N. D. *	3.00
14	Lead	N. D. *	0.10
15	Mercury	N. D. *	0.01
16	Nickel	N. D. *	3.00
17	Zinc	N. D. *	5.00
18	COD	96.00	100.00
19	BOD	26.00	30.00
20	Chlorides	514.00	600.00
21	Sulphates	222.00	1000.00
22	Total Dissolved Solids	2038.00	2100.00
23	Sodium Absorption Ratio	22.15	26.00
24	Arsenic	N. D. *	0.20
25	Cadmium	N. D. *	2.00
26	Insecticide / Pesticide	Absent	Absent
27	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, Temperature & Colour are expressed in mg/L.  
N.D.\* : Not Detected in mg/L.

ANALYSED BY,

( Analyst )

For AKSHAR CONSULTANTS,

( Authorised Signatory )

...with a commitment to your growth and well-being.



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**INSTANTANEOUS NOISE LEVEL MONITORING REPORT**

Name of Company : Intas Pharmaceuticals Ltd.

Address : Plot No. 457, 458, Sarkhej Bavla Highway,  
Vil. : Motoda – 382 210,  
Dist. : Ahmedabad.

Date : 09-01-2016

Sr. No.	LOCATIONS	AVERAGE READING ( dB )	
		09:15 AM to 09:45 AM (day time)	11:40 PM to 12:10 AM (night time)
01	Near main gate no.1.	64.9	53.8
02	Near main gate no. 2.	63.9	54.6
03	Near NE corner of premises.	58.6	52.4
04	Near SE corner of premises.	63.7	52.1
05	Near boiler house.	72.7	65.8
06	Near ETP.	73.2	65.4
07	Near RM storage area.	65.6	57.2
08	Near administration building.	62.7	55.2
09	Near pump house.	71.9	61.0
10	Near DG set & compressor room	77.3	65.4

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/15-16/715

Date : 12-01-2016

**AMBIENT AIR SAMPLING ANALYSIS REPORT**

UNIT	: Intas Pharmaceuticals Ltd.	Sampling Date : 09-01-2016
SITE	: Plot No. 457, 458, Sarkhej-Bavla Highway, Vil. : Matoda - 382 210. Ta. Sanand, Dist. : Ahmedabad.	TIME : 10 : 15 AM
SAMPLING LOCATION	: In open space near boiler house.	

**AMBIENT AIR QUALITY DATA**

( A ) 8 hourly observation :	
1. Duration of sampling	10 : 15 AM to 06 : 15 PM
2. Weight of PM <sub>10</sub> collected	0.632 mg.
3. Volume of Air sampled	6.995 Cubic meter
4. PM <sub>10</sub> concentration	90.35 µg / m <sup>3</sup> <b>GPCB Limit</b> 100 µg/m <sup>3</sup>

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/15-16/710

Date : 12-01-2016

**STACK SAMPLING ANALYSIS REPORT**

UNIT	: Intas Pharmaceuticals Ltd.	Sampling Date : 09-01-2016
SITE	: Plot No. 457, 458, Sarkhej-Bavla Highway, Vil. : Matoda – 382 210. Ta. Sanand, Dist. : Ahmedabad.	TIME : 02 : 00 PM
SAMPLING LOCATION	: Stack attached to 10 TPH Steam boiler.	FUEL USED : Imported Coal

**DUST CONCENTRATION ( PM ) DATA**

Stack /Flue gas temperature ( Deg. C )	140.00
Stack gas velocity ( m./sec.)	9.48
Sampling duration ( min.)	30.00
Vacuum gauge reading (mm. of Hg.)	10.00
Volume of gas sampled at NTP conditions ( cu. m. )	0.33
Wt. of PM collected ( mg.)	48.95

**GAS CONCENTRATION DATA**

Sampling duration ( min.)	30.00
Gas flow-rate ( litres per min.)	5.00
Volume of gas sampled at NTP conditions ( cu. m.)	0.150

**RESULTS**

PARAMETER	CONCENTRATION		GPCB Limit
	mg/Nm <sup>3</sup>	ppm	
Particulate matter ( PM )	148. 33	---	150 mg/Nm <sup>3</sup>
Sulphur Di-oxide ( SO <sub>2</sub> )		69. 40	100 ppm
Nitrogen Di-oxide ( NO <sub>2</sub> )		6. 25	50 ppm

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

ANALYSED BY,

( Analyst )

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( Authorised Signatory )

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Report No. : AC/AIR/15-16/711

Date : 12-01-2016

**STACK SAMPLING ANALYSIS REPORT**

UNIT	: Intas Pharmaceuticals Ltd.	Sampling Date : 09-01-2016
SITE	: Plot No. 457, 458, Sarkhej-Bavla Highway, Vil. : Matoda – 382 210. Ta. Sanand, Dist. : Ahmedabad.	TIME : 03 : 00 PM
SAMPLING LOCATION	: Stack attached to Liquid / Solid Waste Incinerator.	FUEL USED : HSD

**DUST CONCENTRATION ( PM ) DATA**

Stack /Flue gas temperature ( Deg. C )	93.00
Stack gas velocity (m./sec.)	8.92
Sampling duration ( min.)	30.00
Vacuum gauge reading (mm. of Hg.)	10.00
Volume of gas sampled at NTP conditions ( cu. m. )	0.36
Wt. of PM collected ( mg.)	36.76

**GAS CONCENTRATION DATA**

Sampling duration ( min.)	30.00
Gas flow-rate ( litres per min.)	5.00
Volume of gas sampled at NTP conditions ( cu. m.)	0.150

**RESULTS**

PARAMETER	CONCENTRATION		GPCB Limit
	mg/Nm <sup>3</sup>	ppm	
Particulate matter ( PM )	102.11	---	150 mg/Nm <sup>3</sup>
Sulphur Di-oxide ( SO <sub>2</sub> )		45.95	100 ppm
Nitrogen Di-oxide ( NO <sub>2</sub> )		7.80	50 ppm

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

ANALYSED BY,

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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/15-16/714

Date : 12-01-2016

**AMBIENT AIR SAMPLING ANALYSIS REPORT**

UNIT	: Intas Pharmaceuticals Ltd.	Sampling Date : 09-01-2016
SITE	: Plot No. 457, 458, Sarkhej-Bavla Highway, Vil. : Matoda – 382 210. Ta. Sanand, Dist. : Ahmedabad.	TIME : 10 : 15 AM
SAMPLING LOCATION	: In open space near boiler house.	

**AMBIENT AIR QUALITY DATA**

( A ) 8 hourly observation :	
1. Duration of sampling	10 : 15 AM to 06 : 15 PM
2. Weight of PM <sub>2.5</sub> collected	0.354 mg.
3. Volume of Air sampled	6.650 Cubic meter
4. PM <sub>2.5</sub> concentration	53.23 µg / m <sup>3</sup> <b>GPCB Limit</b> 60 µg/m <sup>3</sup>

( B ) 8 hourly observation :

**Time :** 10 : 15 AM to 06 : 15 PM

Volume of Air Sampled ( cu. mt. )	0.24	<b>GPCB Limit</b> µg/m <sup>3</sup>
<b>Sulphur Di-oxide ( SO<sub>2</sub> ) ( µg/m<sup>3</sup> )</b>	<b>16.95</b>	<b>80.00</b>
<b>Nitrogen Di-oxide ( NO<sub>2</sub> ) ( µg/m<sup>3</sup> )</b>	<b>25.44</b>	<b>80.00</b>

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/EFF/15-16/230

Date : 16-01-2016

Intas Pharmaceuticals Ltd.,  
Plot No. 457, 458, Sarkhej – Bavala Highway,  
Vil. : Matoda – 382 210, Ta. : Sanand,  
Dist. : Ahmedabad.

**Sub. : ANALYSIS REPORT OF YOUR TREATED SEWAGE SAMPLE.**

Sample drawn by : Akshar Consultants.  
Sample collection date : 09-01-2016.

Sr. No.	Parameter	Result	GPCB Limit
01	pH	7.43	6.5 – 8.5
02	Temperature ( Deg. C )	27.00	40.00
03	Colour ( Pt-Co unit )	10.00	100.00
04	Total Suspended Solids	42.00	50.00
05	Oil & Grease	3.00	10.00
06	Phenolic Compounds	Nil	1.00
07	Cyanides	N. D. *	0.20
08	Fluorides	Nil	2.00
09	Sulphides	0.25	2.00
10	Ammonical Nitrogen	4.65	50.00
11	Total Chromium	N. D. *	2.00
12	Hexavalent Chromium	N. D. *	0.10
13	Copper	N. D. *	3.00
14	Lead	N. D. *	0.10
15	Mercury	N. D. *	0.01
16	Nickel	N. D. *	3.00
17	Zinc	N. D. *	5.00
18	COD	68.00	100.00
19	BOD	18.00	20.00
20	Chlorides	412.00	600.00
21	Sulphates	166.00	1000.00
22	Total Dissolved Solids	1690.00	2100.00
23	Sodium Absorption Ratio	16.20	26.00
24	Arsenic	N. D. *	0.20
25	Cadmium	N. D. *	2.00
26	Insecticide / Pesticide	Absent	Absent
27	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, Temperature & Colour are expressed in mg/L.

N.D.\* : Not Detected in mg/L.

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

Report No. : AC/AIR/15-16/712

Date : 12-01-2016

**STACK SAMPLING ANALYSIS REPORT**

UNIT	: Intas Pharmaceuticals Ltd.	Sampling Date : 09-01-2016
SITE	: Plot No. 457, 458, Sarkhej-Bavla Highway, Vil. : Matoda – 382 210. Ta. Sanand, Dist. : Ahmedabad.	TIME : 04 : 00 PM
SAMPLING LOCATION	: Stack attached to 1010 KVA DG set.	FUEL USED : LDO.

**DUST CONCENTRATION ( PM ) DATA**

Stack /Flue gas temperature ( Deg. C )	215.00
Stack gas velocity (m./sec.)	6.10
Sampling duration ( min.)	30.00
Vacuum gauge reading (mm. of Hg.)	10.00
Volume of gas sampled at NTP conditions ( cu. m. )	0.54
Wt. of PM collected ( mg.)	27.78

**GAS CONCENTRATION DATA**

Sampling duration ( min.)	30.00
Gas flow-rate ( litres per min.)	5.00
Volume of gas sampled at NTP conditions ( cu. m.)	0.150

**RESULTS**

PARAMETER	CONCENTRATION		GPCB Limit
	mg/Nm <sup>3</sup>	ppm	
Particulate matter ( PM )	51.44	---	150 mg/Nm <sup>3</sup>
Sulphur Di-oxide ( SO <sub>2</sub> )		26.90	100 ppm
Nitrogen Di-oxide ( NO <sub>2</sub> )		6.33	50 ppm

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

ANALYSED BY,

( Analyst )

FOR AKSHAR CONSULTANTS,

( Authorised Signatory )

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Report No. : AC/AIR/15-16/713

Date : 12-01-2016

**STACK SAMPLING ANALYSIS REPORT**

UNIT	: Intas Pharmaceuticals Ltd.	Sampling Date : 09-01-2016
SITE	: Plot No. 457, 458, Sarkhej-Bavla Highway, Vil. : Matoda – 382 210. Ta. Sanand, Dist. : Ahmedabad.	TIME : 05 : 00 PM
SAMPLING LOCATION	: Stack attached to 650 KVA DG set.	FUEL USED : LDO.

**DUST CONCENTRATION ( PM ) DATA**

Stack /Flue gas temperature ( Deg. C )	191.00
Stack gas velocity (m./sec.)	5.25
Sampling duration ( min.)	30.00
Vacuum gauge reading (mm. of Hg.)	10.00
Volume of gas sampled at NTP conditions ( cu. m. )	0.55
Wt. of PM collected ( mg.)	29.63

**GAS CONCENTRATION DATA**

Sampling duration ( min.)	30.00
Gas flow-rate ( litres per min.)	5.00
Volume of gas sampled at NTP conditions ( cu. m.)	0.150

**RESULTS**

PARAMETER	CONCENTRATION		GPCB Limit
	mg/Nm <sup>3</sup>	ppm	
Particulate matter ( PM )	53.87	---	150 mg/Nm <sup>3</sup>
Sulphur Di-oxide ( SO <sub>2</sub> )		24.14	100 ppm
Nitrogen Di-oxide ( NO <sub>2</sub> )		6.24	50 ppm

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

ANALYSED BY,

FOR AKSHAR CONSULTANTS,

( Analyst )

( Authorised Signatory )

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Report No. : AC/AIR/15-16/708

Date : 12-01-2016

**SCRUBBER SAMPLING ANALYSIS REPORT**

UNIT	: Intas Pharmaceuticals Ltd.	Sampling Date : 09-01-2016
SITE	: Plot No. 457, 458, Sarkhej-Bavla Highway, Vil. : Matoda – 382 210. Ta. Sanand, Dist. : Ahmedabad.	TIME : 11:00 AM
SAMPLING LOCATION	: Vent attached to Ammonia Scrubber of API Plant.	

**GAS CONCENTRATION DATA**

Sampling duration ( min.)	30.00
Gas flow-rate ( litres per min.)	5.00
Volume of gas sampled at NTP conditions (cu. m.)	0.150

**RESULTS**

PARAMETER		CONCENTRATION	GPCB Limit
		mg/Nm <sup>3</sup>	mg/Nm <sup>3</sup>
Ammonia	(NH <sub>3</sub> )	40.33	175.00
Particulate Matter	(PM)	Nil	150.00
Sulphur Di-oxide	(SO <sub>2</sub> )	Nil	40.00
Oxides of Nitrogen	(NO <sub>x</sub> )	Nil	25.00

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/15-16/709

Date : 12-01-2016

**SCRUBBER SAMPLING ANALYSIS REPORT**

UNIT	: Intas Pharmaceuticals Ltd.	Sampling Date : 09-01-2016
SITE	: Plot No. 457, 458, Sarkhej-Bavla Highway, Vil. : Matoda - 382 210. Ta. Sanand, Dist. : Ahmedabad.	TIME : 11 : 50 AM
SAMPLING LOCATION	: Vent attached to HCl scrubber of API Plant.	

**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 <sup>3</sup>	mg/Nm <sup>3</sup>
Hydrochloric Acid (HCl)	13.44	20.00
Particulate Matter (PM)	Nil	150.00
Sulphur Di-oxide (SO <sub>2</sub> )	Nil	40.00
Oxides of Nitrogen (NOx)	Nil	25.00

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/15-16/716

Date : 12-01-2016

**WORK AREA AIR SAMPLING ANALYSIS REPORT**

UNIT	: INTAS PHARMACEUTICALS LTD.
SITE	: Plot No. 457, 458, Sarkhej-Bavla Highway, Vil. : Matoda – 382 210. Ta. Sanand, Dist. : Ahmedabad.

Sr. No.	Sampling location	Date of Sampling	Weight of PM <sub>2.5</sub> collected (in ug)	Volume of Air sampled (in m <sup>3</sup> )	Dust concentration – PM <sub>2.5</sub> (in ug/m <sup>3</sup> )	GPCB Limit (in ug/m <sup>3</sup> )
1	Ware House Dispensing Area	09/01/'16	56.80	7.70	7.37	60.00
2	First floor of Manufacturing plant	09/01/'16	55.25	7.45	7.42	60.00
3	Second floor of Manufacturing plant	09/01/'16	56.33	7.80	7.22	60.00

Sr. No.	Sampling location	Date of Sampling	Methylene Di-chloride (MDC) concentration (VOC) (in ug/m <sup>3</sup> )	Toluene concentration (VOC) (in ug/m <sup>3</sup> )
1	Ware House Dispensing Area	09/01/'16	BDL	---
2	First floor of Manufacturing plant	09/01/'16	BDL	BDL
3	Second floor of Manufacturing plant	09/01/'16	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/15-16/022

Date : 16-01-2016

Intas Pharmaceuticals Ltd.,  
Plot No. 457, 458, Sarkhej – Bavla Highway,  
Vil. : Matoda – 382 210, Ta. : Sanand,  
Dist. : Ahmedabad.

**Sub. : Analysis report of your ETP sludge sample.**

Source : Effluent Treatment Plant.  
Date of Receipt : 09-01-2016  
**Sample drawn by : Akshar Consultants.**  
Physical state : Semi – solid sludge.

Sr. No.	Characteristics	Unit	Results
01	pH ( 10 % Solution )	----	7.88
02	Chemical Oxygen Demand ( COD )	gms/kg	10.35
03	Bio-chemical Oxygen Demand ( BOD )	gms/kg	3.58
04	Chlorides	gms/kg	15.60
05	Sulphate	gms/kg	30.48
06	Total Inorganic Solids at 550 Deg. C	gms/kg	664.15
07	Total Dissolved Solids	gms/kg	96.22
08	Total Hardness ( as CaCO <sub>3</sub> )	gms/kg	12.00
09	Calcium Hardness ( as CaCO <sub>3</sub> )	gms/kg	8.00
10	Magnesium Hardness ( as CaCO <sub>3</sub> )	gms/kg	4.00
11	Oil & Oil Emulsions	gms/kg	N. D. *
12	Total Alkalinity ( as CaCO <sub>3</sub> )	gms/kg	2.02

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

Ref. No. AC/SOLID/15-16/023

Date : 16-01-2016

Intas Pharmaceuticals Ltd.,  
Plot No. 457, 458, Sarkhej – Bavla Highway,  
Vil. : Matoda – 382 210, Ta. : Sanand,  
Dist. : Ahmedabad.


**Sub. : Analysis report of your sludge sample ( Incinerator Ash ).**

Source : Incinerator.  
Date of Receipt : 09-01-2016  
**Sample drawn by : Akshar Consultants.**  
Physical state : Dry powder.


Sr. No.	Characteristics	Unit	Results
01	pH ( 10 % Solution )	----	8.33
02	Chemical Oxygen Demand ( COD )	gms/kg	6.95
03	Bio-chemical Oxygen Demand ( BOD )	gms/kg	1.63
04	Chlorides	gms/kg	25.29
05	Sulphate	gms/kg	13.40
06	Total Inorganic Solids at 550 Deg. C	gms/kg	872.50
07	Total Dissolved Solids	gms/kg	97.30
08	Total Hardness ( as $\text{CaCO}_3$ )	gms/kg	12.00
09	Calcium Hardness ( as $\text{CaCO}_3$ )	gms/kg	7.00
10	Magnesium Hardness ( as $\text{CaCO}_3$ )	gms/kg	5.00
11	Oil & Oil Emulsions	gms/kg	N. D. *
12	Total Alkalinity ( as $\text{CaCO}_3$ )	gms/kg	3.25

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

ANALYSED BY,

  
( Analyst )

For AKSHAR CONSULTANTS,

  
( Authorised Signatory )