

TEST REPORT (AMBIENT AIR QUALITY)

PRAKRUTI

ENVIRONMENTAL
ENGINEERS

Customer:	Gujarat State Fertilizers & Chemicals Ltd. (Sikka Unit)	Ref. No.:	149
Location:	PO: Moti Khavadi Dist: Jamnagar-361140	Report Date:	24-04-2017
Authorised Person:	Mr. S. A. Desai	Analysis Date:	17-04-2017
Station:	ADM Building Terrace	Analysed By:	G M Desai
Sampling Duration:	24 hours	Receipt Date:	15-04-2017
Field Observation:	--	Receipt Time:	20:15
Monitoring Method:	IS: 5182 (Part 14) & (Part 5)	Received By:	Hitesh Parmar
Applicable Standard:	NAAQS-2009	Collection Date:	14-04-2017
		Collection Time:	12:05
		Collected By:	Mayur Raj

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Particulate Matter (as PM ₁₀)	µg/m ³	IS 5182 (Part 23):2006	57.77	100.00
2	Particulate Matter (as PM _{2.5})	µg/m ³	SOP-TCH-001	23.79	60.00
3	Sulphur Dioxide (as SO ₂)	µg/m ³	IS: 5182 (Part 2):2001, R 2012	9.17	80.00
4	Oxides of Nitrogen (as NO ₂)	µg/m ³	IS: 5182 (Part 6):2006, R 2012	13.87	80.00
5	Ammonia (as NH ₃)	µg/m ³	Method of Air Sampling & Analysis, 3rd Edition, Indephenol Method 401	BDL (DL: 10.0)	400.00

Remarks:

1. BDL: Below Detectable Limit, DL: Detectable Limit

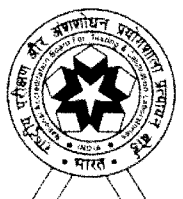
Checked By: G M Desai (Lab in-charge)

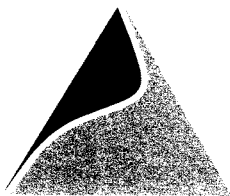
Authorised Signatory: Krishna Desai (Partner)

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Customer:	Gujarat State Fertilizers & Chemicals Ltd. (Sikka Unit)	Ref. No.:	148
Location:	PO: Moti Khavadi Dist: Jamnagar-361140	Report Date:	24-04-2017
Authorised Person:	Mr. S. A. Desai	Analysis Date:	17-04-2017
Station:	Approach Gate Security Cabin Terrace	Analysed By:	G M Desai
Sampling Duration:	24 hours	Receipt Date:	15-04-2017
Field Observation:	--	Receipt Time:	20:15
Monitoring Method:	IS: 5182 (Part 14) & (Part 5)	Received By:	Hitesh Parmar
Applicable Standard:	NAAQS-2009	Collection Date:	14-04-2017
		Collection Time:	12:50
		Collected By:	Mayur Raj

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Particulate Matter (as PM ₁₀)	µg/m ³	IS 5182 (Part 23):2006	58.15	100.00
2	Particulate Matter (as PM _{2.5})	µg/m ³	SOP-TCH-001	24.23	60.00
3	Sulphur Dioxide (as SO ₂)	µg/m ³	IS: 5182 (Part 2):2001, R 2012	9.63	80.00
4	Oxides of Nitrogen (as NO ₂)	µg/m ³	IS: 5182 (Part 6):2006, R 2012	14.05	80.00
5	Ammonia (as NH ₃)	µg/m ³	Method of Air Sampling & Analysis, 3rd Edition, Indephenol Method 401	BDL (DL: 10.0)	400.00

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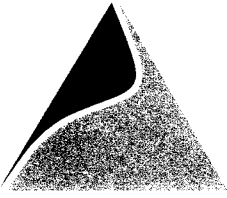
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Customer:	Gujarat State Fertilizers & Chemicals Ltd. (Sikka Unit)	Ref. No.:	147
Location:	PO: Moti Khavadi Dist: Jamnagar-361140	Report Date:	24-04-2017
Authorised Person:	Mr. S. A. Desai	Analysis Date:	17-04-2017
Station:	Electric Substation Terrace (Near Water Pond)	Analysed By:	G M Desai
Sampling Duration:	24 hours	Receipt Date:	15-04-2017
Field Observation:	--	Receipt Time:	20:15
Monitoring Method:	IS: 5182 (Part 14) & (Part 5)	Received By:	Hitesh Parmar
Applicable Standard:	NAAQS-2009	Collection Date:	14-04-2017
		Collection Time:	13:30
		Collected By:	Mayur Raj

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Particulate Matter (as PM ₁₀)	µg/m ³	EN 12341	54.52	100.00
2	Particulate Matter (as PM _{2.5})	µg/m ³	SOP-TCH-001	21.34	60.00
3	Sulphur Dioxide (as SO ₂)	µg/m ³	IS: 5182 (Part 2):2001, R 2012	7.79	80.00
4	Oxides of Nitrogen (as NO ₂)	µg/m ³	IS: 5182 (Part 6):2006, R 2012	12.62	80.00
5	Ammonia (as NH ₃)	µg/m ³	Method of Air Sampling & Analysis, 3rd Edition, Indephenol Method 401	BDL (DL: 10.0)	400.00

Remarks:

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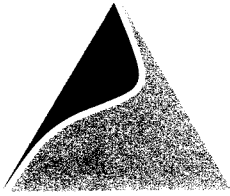
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Customer:	Gujarat State Fertilizers & Chemicals Ltd. (Sikka Unit)	Ref. No.:	146
Location:	PO: Moti Khavadi Dist: Jamnagar-361140	Report Date:	24-04-2017
Authorised Person:	Mr. S. A. Desai	Analysis Date:	17-04-2017
Station:	Ammonia Loading Station Terrace	Analysed By:	G M Desai
Sampling Duration:	24 hours	Receipt Date:	15-04-2017
Field Observation:	--	Receipt Time:	20:15
Monitoring Method:	IS: 5182 (Part 14) & (Part 5)	Received By:	Hitesh Parmar
Applicable Standard:	NAAQS-2009	Collection Date:	14-04-2017
		Collection Time:	12:35
		Collected By:	Mayur Raj

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Particulate Matter (as PM ₁₀)	µg/m ³	IS: 5182 (Part 23) - 2006	56.70	100.00
2	Particulate Matter (as PM _{2.5})	µg/m ³	SOP-TCH-001	23.89	60.00
3	Sulphur Dioxide (as SO ₂)	µg/m ³	IS: 5182 (Part 2):2001, R 2012	8.71	80.00
4	Oxides of Nitrogen (as NO ₂)	µg/m ³	IS: 5182 (Part 6):2006, R 2012	13.34	80.00
5	Ammonia (as NH ₃)	µg/m ³	Method of Air Sampling & Analysis, 3rd Edition, Indephenol Method 401	BDL (DL: 10.0)	400.00

Remarks:

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Authorised Signatory: Krishna Desai (Partner)

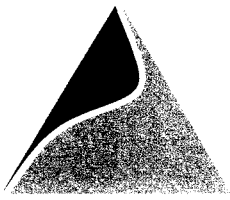
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Certificate No. T-2943



TEST REPORT (AMBIENT AIR QUALITY)

PRAKRUTI

ENVIRONMENTAL
ENGINEERS

Customer:	Gujarat State Fertilizers & Chemicals Ltd. (Sikka Unit)	Ref. No.:	145
Location:	PO: Moti Khavadi Dist: Jamnagar-361140	Report Date:	24-04-2017
Authorised Person:	Mr. S. A. Desai	Analysis Date:	17-04-2017
Station:	Sikka Shore Terminal Site (Near WorkShop)	Analysed By:	G M Desai
Sampling Duration:	24 hours	Receipt Date:	15-04-2017
Field Observation:	--	Receipt Time:	20:15
Monitoring Method:	IS: 5182 (Part 14) & (Part 5)	Received By:	Hitesh Parmar
Applicable Standard:	NAAQS-2009	Collection Date:	14-04-2017
		Collection Time:	13:15
		Collected By:	Mayur Raj

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Particulate Matter (as PM ₁₀)	µg/m ³	IS:5182(Part 23) -2006	56.00	100.00
2	Particulate Matter (as PM _{2.5})	µg/m ³	SOP-TCH-001	21.74	60.00
3	Sulphur Dioxide (as SO ₂)	µg/m ³	IS: 5182 (Part 2):2001, R 2012	8.25	80.00
4	Oxides of Nitrogen (as NO ₂)	µg/m ³	IS: 5182 (Part 6):2006, R 2012	12.98	80.00
5	Ammonia (as NH ₃)	µg/m ³	Method of Air Sampling & Analysis, 3rd Edition, Indephenol Method 401	BDL (DL: 10.0)	400.00

Remarks:

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Checked By: G M Desai (Lab in-charge)

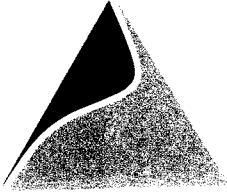
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TEST REPORT(AIR EMISSION)

PRAKRUTI

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ENGINEERS

Customer:	Gujarat State Fertilizers & Chemicals Ltd. (Sikka Unit)	Ref. No.:	139
Location:	PO: Moti Khavadi, Dist: Jamnagar-361140	Report Date:	24-04-2017
Authorised Person:	Mr. S. A. Desai	Analysis Date:	17-04-2017
Stack Attached To:	DAP Train- A (S-1)	Analysed By:	G M Desai
Air Pollution Control System:	--	Receipt Date:	15-04-2017
Fuel Type:	Natural Gas	Receipt Time:	20:15
Fuel Consumption:	--	Received By:	Hitesh Parmar
Stack Height:	50 m	Collection Date:	14-04-2017
Stack Diameter:	2150 mm	Collection Time:	13:00
Emission Temperature:	52 °C	Collected By:	Kiran Chauhan
Velocity:	19.46 m/s		
Flow:	254209.58 m ³ /hr		
Field Observation:	--		
Flow Rate Measurement:	IS 11255 (Part 3) - 2008		
Applicable Standard:	--		

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Particulate Matter (as PM)	mg/Nm ³	IS: 11255 (Part 1) - 1985, R-2009	19.57	150
2	Ammonia (as NH ₃)	mg/Nm ³	IS: 11255 (Part 6) 1999, R 2003	13.00	175
3*	Hydrogen Flourides (Total as F)	mg/Nm ³	Method 13 A, EPA	BDL (DL: 1.0)	25.00

Remarks:

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Checked By: G M Desai (Lab in-charge)

Authorised Signatory: Krishna Desai (Partner)

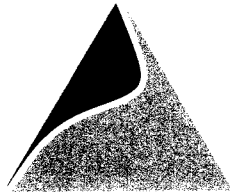
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Location:	PO: Moti Khavadi, Dist: Jamnagar-361140	Report Date:	24-04-2017
Authorised Person:	Mr. S. A. Desai	Analysis Date:	17-04-2017
Stack Attached To:	DAP Train- B (S-2)	Analysed By:	G M Desai
Air Pollution Control System:	--	Receipt Date:	15-04-2017
Fuel Type:	Natural Gas	Receipt Time:	20:15
Fuel Consumption:	--	Received By:	Hitesh Parmar
Stack Height:	50 m	Collection Date:	14-04-2017
Stack Diameter:	2150 mm	Collection Time:	13:45
Emission Temperature:	50 °C	Collected By:	Kiran Chauhan
Velocity:	19.30 m/s		
Flow:	252119.47 m ³ /hr		
Field Observation:	--		
Flow Rate Measurement:	IS 11255 (Part 3) - 2008		
Applicable Standard:	--		

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Particulate Matter (as PM)	mg/Nm ³	IS: 11255 (Part 1) - 1985, R-2009	18.32	150
2	Ammonia (as NH ₃)	mg/Nm ³	IS: 11255 (Part 6) 1999, R 2003	14.24	175
3*	Hydrogen Flourides (Total as F)	mg/Nm ³	Method 13 A, EPA	BDL (DL: 1.0)	25.00

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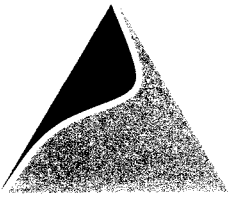
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Customer:	Gujarat State Fertilizers & Chemicals Ltd. (Sikka Unit)	Ref. No.:	137
Location:	PO: Moti Khavadi, Dist: Jamnagar-361140	Report Date:	24-04-2017
Authorised Person:	Mr. S. A. Desai	Analysis Date:	17-04-2017
Stack Attached To:	DAP Train- C (S-3)	Analysed By:	G M Desai
Air Pollution Control System:	--	Receipt Date:	15-04-2017
Fuel Type:	Natural Gas	Receipt Time:	20:15
Fuel Consumption:	--	Received By:	Hitesh Parmar
Stack Height:	55 m	Collection Date:	14-04-2017
Stack Diameter:	3000 mm	Collection Time:	14:00
Emission Temperature:	54 °C	Collected By:	Kiran Chauhan
Velocity:	16.12 m/s		
Flow:	409996.08 m ³ /hr		
Field Observation:	--		
Flow Rate Measurement:	IS 11255 (Part 3) - 2008		
Applicable Standard:	--		

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Particulate Matter (as PM)	mg/Nm ³	IS: 11255 (Part 1) - 1985, R-2009	17.32	150
2	Ammonia (as NH ₃)	mg/Nm ³	IS: 11255 (Part 6) 1999, R 2003	13.32	175
3*	Hydrogen Flourides (Total as F)	mg/Nm ³	Method 13 A, EPA	BDL (DL: 1.0)	25.00

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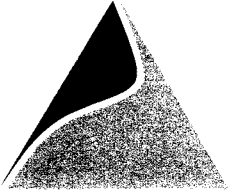
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ENGINEERS

Customer:	Gujarat State Fertilizers & Chemicals Ltd. (Sikka Unit)	Ref. No.:	144
Location:	PO: Moti Khavadi, Dist: Jamnagar-361140	Report Date:	24-04-2017
Authorised Person:	Mr. S. A. Desai	Analysis Date:	17-04-2017
Stack Attached To:	Boiler No.-1 GT- 2479 (S-4)	Analysed By:	G M Desai
Air Pollution Control System:	--	Receipt Date:	15-04-2017
Fuel Type:	Natural Gas	Receipt Time:	20:15
Fuel Consumption:	100 m ³ /hr	Received By:	Hitesh Parmar
Stack Height:	30.5 m	Collection Date:	14-04-2017
Stack Diameter:	1250 mm	Collection Time:	12:15
Emission Temperature:	109 °C	Collected By:	Kiran Chauhan
Velocity:	4.52 m/s		
Flow:	19958.63 m ³ /hr		
Field Observation:	--		
Flow Rate Measurement:	IS 11255 (Part 3) - 2008		
Applicable Standard:	--		

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Particulate Matter (as PM)	mg/Nm ³	IS: 11255 (Part 1) - 1985, R-2009	5.79	150
2	Sulphur Dioxide (as SO ₂)	mg/Nm ³	IS: 11255 (Part 2) - 1985, R-2009	2.91 (1.11 ppm)	100 ppm
3	Nitrogen Oxide (as NO ₂)	mg/Nm ³	IS: 11255 (Part 7) 2005	16.18 (8.60 ppm)	50 ppm

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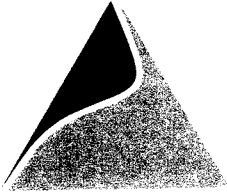
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Location:	PO: Moti Khavadi, Dist: Jamnagar-361140	Report Date:	24-04-2017
Authorised Person:	Mr. S. A. Desai	Analysis Date:	17-04-2017
Stack Attached To:	Dedusting (Near Production Cylo) S-5	Analysed By:	G M Desai
Air Pollution Control System:	--	Receipt Date:	15-04-2017
Fuel Type:	--	Receipt Time:	20:15
Fuel Consumption:	--	Received By:	Hitesh Parmar
Stack Height:	30 m	Collection Date:	14-04-2017
Stack Diameter:	850 mm	Collection Time:	17:15
Emission Temperature:	43 °C	Collected By:	Kiran Chauhan
Velocity:	13.04 m/s		
Flow:	26624.88 m ³ /hr		
Field Observation:	--		
Flow Rate Measurement:	IS 11255 (Part 3) - 2008		
Applicable Standard:	--		

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Particulate Matter (as PM)	mg/Nm ³	IS: 11255 (Part 1) - 1985, R-2009	14.24	150

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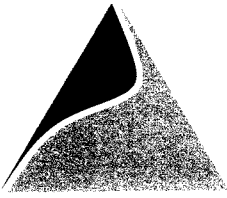
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TEST REPORT(AIR EMISSION)

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ENGINEERS

Customer:	Gujarat State Fertilizers & Chemicals Ltd. (Sikka Unit)	Ref. No.:	142
Location:	PO: Moti Khavadi, Dist: Jamnagar-361140	Report Date:	24-04-2017
Authorised Person:	Mr. S. A. Desai	Analysis Date:	17-04-2017
Stack Attached To:	Dedusting (Bagging Side) S-6	Analysed By:	G M Desai
Air Pollution Control System:	--	Receipt Date:	15-04-2017
Fuel Type:	--	Receipt Time:	20:15
Fuel Consumption:	--	Received By:	Hitesh Parmar
Stack Height:	30 m	Collection Date:	14-04-2017
Stack Diameter:	1028 mm	Collection Time:	16:45
Emission Temperature:	42 °C	Collected By:	Kiran Chauhan
Velocity:	14.36 m/s		
Flow:	42885.73 m ³ /hr		
Field Observation:	--		
Flow Rate Measurement:	IS 11255 (Part 3) - 2008		
Applicable Standard:	--		

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Particulate Matter (as PM)	mg/Nm ³	IS: 11255 (Part 1) - 1985, R-2009	17.04	150

Remarks:

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Checked By: G M Desai (Lab in-charge)

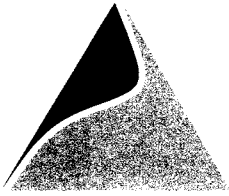
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ENVIRONMENTAL
ENGINEERS

Customer:	Gujarat State Fertilizers & Chemicals Ltd. (Sikka Unit)	Ref. No.:	141
Location:	PO: Moti Khavadi, Dist: Jamnagar-361140	Report Date:	24-04-2017
Authorised Person:	Mr. S. A. Desai	Analysis Date:	17-04-2017
Stack Attached To:	Dedusting (Boiler Side) S-7	Analysed By:	G M Desai
Air Pollution Control System:	--	Receipt Date:	15-04-2017
Fuel Type:	--	Receipt Time:	20:15
Fuel Consumption:	--	Received By:	Hitesh Parmar
Stack Height:	20 m	Collection Date:	14-04-2017
Stack Diameter:	1000 mm	Collection Time:	16:00
Emission Temperature:	41 °C	Collected By:	Kiran Chauhan
Velocity:	14.97 m/s		
Flow:	42305.22 m ³ /hr		
Field Observation:	--		
Flow Rate Measurement:	IS 11255 (Part 3) - 2008		
Applicable Standard:	--		

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Particulate Matter (as PM)	mg/Nm ³	IS: 11255 (Part 1) - 1985, R-2009	16.76	150

Remarks:

1. BDL: Below Detectable Limit, DL: Detectable Limit

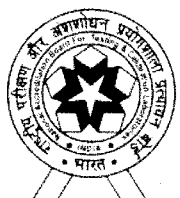
Checked By: G M Desai (Lab in-charge)

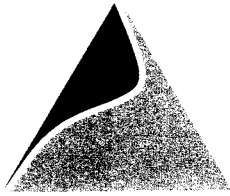
Authorised Signatory: Krishna Desai (Partner)

Note:

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2. The results refer only to the tested sample(s) and applicable parameter(s).
3. Sample(s) will be destroyed after 10 days from the report date unless otherwise specified.
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End of Report





TEST REPORT(AIR EMISSION)

PRAKRUTI

ENVIRONMENTAL
ENGINEERS

Customer:	Gujarat State Fertilizers & Chemicals Ltd. (Sikka Unit)	Ref. No.:	140
Location:	PO: Moti Khavadi, Dist: Jamnagar-361140	Report Date:	24-04-2017
Authorised Person:	Mr. S. A. Desai	Analysis Date:	17-04-2017
Stack Attached To:	Dedusting (ADM Building Side) S-8	Analysed By:	G M Desai
Air Pollution Control System:	--	Receipt Date:	15-04-2017
Fuel Type:	--	Receipt Time:	20:15
Fuel Consumption:	--	Received By:	Hitesh Parmar
Stack Height:	25 m	Collection Date:	14-04-2017
Stack Diameter:	300 mm	Collection Time:	15:15
Emission Temperature:	43 °C	Collected By:	Kiran Chauhan
Velocity:	14.78 m/s		
Flow:	3759.15 m ³ /hr		
Field Observation:	--		
Flow Rate Measurement:	IS 11255 (Part 3) - 2008		
Applicable Standard:	--		

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Particulate Matter (as PM)	mg/Nm ³	IS: 11255 (Part 1) - 1985, R-2009	17.74	150

Remarks:

1. BDL: Below Detactable Limit, DL: Detactable Limit

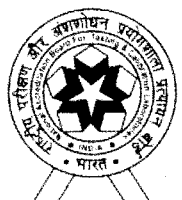
Checked By: G M Desai (Lab in-charge)

Authorised Signatory: Krishna Desai (Partner)

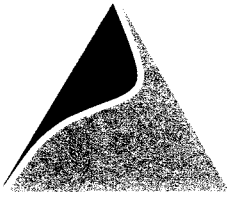
Note:

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Certificate No. T-2943



TEST REPORT(WATER AND WASTE WATER)

PRAKRUTI
ENVIRONMENTAL
ENGINEERS

Customer:	Gujarat State Fertilizers & Chemicals Ltd. (Sikka Unit)	Ref. No.:	135
Location:	PO: Moti Khavadi, Dist: Jamnagar-361140	Report Date:	24-04-2017
Authorised Person:	Mr. S. A. Desai	Analysis Date:	17-04-2017
Sample Description:	Treated Domestic Effluent	Analysed By:	S.R.Raj
Sampling Point:	STP Outlet (Factory)	Receipt Date:	15-04-2017
Sample Type:	Grab	Receipt Time:	20:15
Field Observation:	pH: 6.7 Temperature: 31°C	Received By:	Hitesh Parmar
Sampling Method:	IS: 3025 (Part 1) - 1987 (Reaffirmed 2009)	Collection Date:	15-04-2017
Applicable Standard:	On Land for Plantation	Collection Time:	12:00
		Collected By:	Mayur Raj

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	pH	-	APHA 4500-H ⁺ B, Standard Methods 22nd Edition	6.70	--
2	Total Suspended Solids	mg/l	APHA 2540 D, Standard Methods 22nd Edition	21.00	30.00
3	Biochemical Oxygen Demand (3d at 27 °C as BOD)	mg/l	IS: 3025 (Part 44) – 1993	BDL(DL:4.0)	20.00
4	Chlorine (Residual as Cl ₂)	mg/l	APHA 4500-Cl G DPD Colorimetric KIT Method	0.70	> 0.50

Remarks:

1. BDL: Below Detectable Limit, DL: Detectable Limit

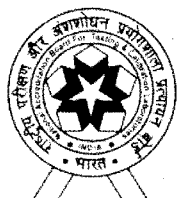
Checked By: G M Desai (Lab in-charge)

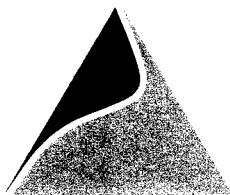
Authorised Signatory: Krishna Desai (Partner)

Note:

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TEST REPORT(WATER AND WASTE WATER)

PRAKRUTI
ENVIRONMENTAL
ENGINEERS

Customer:	Gujarat State Fertilizers & Chemicals Ltd. (Sikka Unit)	Ref. No.:	136
Location:	PO: Moti Khavadi, Dist: Jamnagar-361140	Report Date:	24-04-2017
Authorised Person:	Mr. S. A. Desai	Analysis Date:	17-04-2017
Sample Description:	Treated Domestic Effluent	Analysed By:	S.R.Raj
Sampling Point:	STP Outlet (Colony)	Receipt Date:	15-04-2017
Sample Type:	Grab	Receipt Time:	20:15
Field Observation:	pH: 7.2 Temperature: 31°C	Received By:	Hitesh Parmar
Sampling Method:	IS: 3025 (Part 1) - 1987 (Reaffirmed 2009)	Collection Date:	15-04-2017
Applicable Standard:	On Land for Plantation	Collection Time:	12:30
		Collected By:	Mayur Raj

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	pH	-	APHA 4500-H ⁺ B, Standard Methods 22nd Edition	7.23	--
2	Total Suspended Solids	mg/l	APHA 2540 D, Standard Methods 22nd Edition	18.00	30.00
3	Biochemical Oxygen Demand (3d at 27 °C as BOD)	mg/l	IS: 3025 (Part 44) - 1993	16.00	20.00
4	Chlorine (Residual as Cl ₂)	mg/l	APHA 4500-Cl G DPD Colorimetric KIT Method	0.70	> 0.50

Remarks:

1. BDL: Below Detectable Limit, DL: Detectable Limit

Checked By: G M Desai (Lab in-charge)

Authorised Signatory: Krishna Desai (Partner)

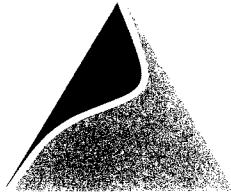
Note:

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End of Report



Certificate No. T-2943



TEST REPORT(NOISE LEVEL)

PRAKRUTI

ENVIRONMENTAL
ENGINEERS

Customer:	Gujarat State Fertilizers & Chemicals Ltd. (Sikka Unit)	Ref. No.:	150
		Report Date:	24-04-2017
Location:	PO: Moti Khavadi, Dist: Jamn	Collection Date:	14-04-2017
Authorised Person:	Mr. S. A. Desai		15:00
		Collected By:	Mayur Raj

SN	STATION	TIME	NOISE LEVEL dB(A)
1	ADM Building	15:00	58.0
2	Boiler House	15:10	70.0
3	DAP Ground Floor	15:20	70.0
4	QC Laboratory	15:30	54.0
5	A/B Train Control Room	15:40	67.0
6	C Train Control Room (Not in Operation)	15:50	66.0
7	Bagging Control Room	16:00	65.0
8	Bentonite Cylo Room	16:10	72.0
9	Security Office (Factory Gate Side)	16:20	59.0
10	Electrical Sub-Station (Behind Water Pond)	16:30	54.0
11	ADM Building	22:00	53.0
12	Boiler House (Not in Operation)	22:10	70.0
13	DAP Ground Floor	22:20	68.0
14	QC Laboratory	22:30	52.0
15	A/B Train Control Room (Not in Operation)	22:40	65.0
16	C Train Control Room (Not in Operation)	22:50	65.0
17	Bagging Control Room	23:00	64.0
18	Bentonite Cylo Room	23:10	68.0
19	Security Office (Factory Gate Side)	23:20	55.0
20	Electrical Sub-Station (Behind Water Pond)	23:30	55.0

Permissible Exposure in cases of Continuous Noise (as prescribed in Factories Act, 1948)		Permissible Exposure Level for Impulsive or Impact Noise	
Total time of exposure (continuous or a number of short terms exposure)	Sound Pressure Level in dB (A)	Peak Sound Pressure Level in dB	Permitted number of impulse or impact per day
8	90	140	100
6	92	135	315
4	95	130	1000
3	97	125	3160
2	100	120	10000
1 1/2	102		
1	105		
3/4	107		
1/2	110		
1/4	115		

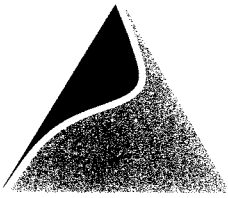
1. No exposure in excess of 115 dB(A) is to be permitted

1. No exposure in excess of 140 dB peak sound pressure level is permitted

2. For any period of exposure between any figure and the next higher or lower figure as indicated in column1, the permissible sound pressure level is to be determined by extrapolation on proportionate basis

Remarks:

Checked By: G M Desai (Lab in-charge)  **Authorized Signatory: Krishna Desai (Partner)** 



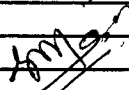
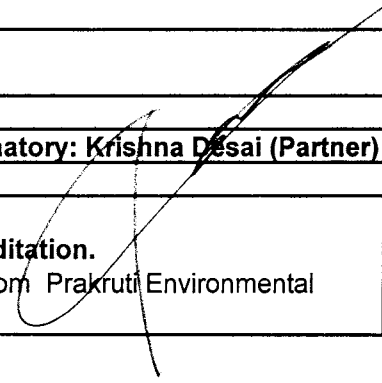
REPORT OF METEOROLOGICAL MEASUREMENTS

PRAKRUTI
ENVIRONMENTAL
ENGINEERS

Customer:	Gujarat State Fertilizers & Chemicals Ltd. (Sikka Unit)	Ref. No.:	151
Location:	PO: Moti Khavadi, Dist: Jamnagar-361140	Report Date:	24-04-2017
Authorised Person:	Mr. S. A. Desai	Collected By:	Mayur Raj
Station:	A/B Train Terrace		
Field Observation:	--		
Monitoring Method/ Guidelines:	IS: 5182 (Part 14) - 2005		

DATE	TIME	WIND DIRECTION	WIND SPEED	TEMPERATURE	RELATIVE HUMIDITY
		TO	KMPH	°C	%
14-04-2017	12:00	SW→NE	9.0	39.0	14.0
	14:00	NW→SE	9.0	42.0	11.0
	16:00	NW→SE	7.0	40.0	8.0
	18:00	NW→SE	7.0	37.0	9.0
	20:00	W→E	8.0	33.0	11.0
	22:00	W→E	7.0	30.0	20.0
15-04-2017	0:00	NW→SE	7.0	30.0	24.0
	2:00	W→E	6.0	28.0	30.0
	4:00	NW→SE	6.0	26.0	45.0
	6:00	NW→SE	8.0	27.0	55.0
	8:00	NW→SE	11.0	34.0	58.0
	10:00	NW→SE	9.0	36.0	29.0
	12:00	NW→SE	11.0	38.0	15.0
MAX.			11.00	42.00	58.00
18			6.00	26.00	8.00
AVG.		NW→SE	8.08	33.85	25.31

Remarks:

Checked By: G M Desai (Lab in-charge)  Authorised Signatory: Krishna Desai (Partner) 

Note:

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