



# GADARK LAB PVT. LTD.

## INDUSTRIAL ANALYSTS & CONSULTANTS

LAB. : H-54, Additional M.I.D.C. Kudal, Taluka - Kudal, District - Sindhudurg - 416 525

Tel. : (02362) 223519 • email : info@gadark.in / gadarklab@vsnl.com

OFF. : 15, Hindustan Kohinoor Industrial Complex, L.B.S.Marg, Vikhroli (West), Mumbai - 83.

Tel No. : 022-25777069/70 • Fax - 022-2577 4545

## TEST CERTIFICATE

No. GPA/0741/14

Date 23:07:2014

Organisation : M/s. DEEPAK FERTILISERS AND PETROCHEMICALS CORP. LTD.  
PLOT K-1, MIDC INDUSTRIAL AREA,  
TALOJA, A.V. 410 208, DIST. – RAIGAD.

### AMBIENT AIR MONITORING :

Sampling Location	Outside ANP Material Gate	Outside Security Gate	Unit
Lab Reference No.	1407-1605	1407-1606	--
Date of Sampling	16:07:2014	16:07:2014	--
Time of Sampling	14:00	13:10	Hrs
Duration of Sampling	24	24	Hrs
Weight of PM <sub>10</sub> collected	1.35	1.32	mg
Weight of PM <sub>2.5</sub> collected	0.56	0.53	mg
Volume of air Sampled	24	24	m <sup>3</sup>

Parameters	Unit	Outside ANP Material Gate	Outside Security Gate	N.A.A.Q.S.	Methods
PM <sub>10</sub>	µg/m <sup>3</sup>	56.3	55.0	<b>100.0</b>	US EPA 40 CFR Chapter I Part 50 Appendix L
PM <sub>2.5</sub>	µg/m <sup>3</sup>	23.3	22.0	<b>60.0</b>	US EPA 40 CFR Chapter I Part 50 Appendix L
SO <sub>2</sub>	µg/m <sup>3</sup>	30.0	26.7	<b>80.0</b>	IS 5182 (Part II) 1960
NO <sub>2</sub>	µg/m <sup>3</sup>	38.4	34.8	<b>80.0</b>	IS 5182 (Part VI) 1975
CO	mg/m <sup>3</sup>	1.46	1.59	<b>2.0 for 8 Hrs.</b>	IS 5182 (Part X) 1999
Ammonia	µg/m <sup>3</sup>	22.9	27.8	<b>400.0</b>	APHA II <sup>ND</sup> Edition Method 402

**N.A.A.Q.S. – National Ambient Air Quality Standards**

For **GADARK LAB PVT. LTD.**

  
**[B. S. RANE]**  
DIRECTOR

  
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## TEST CERTIFICATE

No. GPA/0742/14

Date 23:07:2014

Organisation : M/s. DEEPAK FERTILISERS AND PETROCHEMICALS CORP. LTD.  
PLOT K-1, MIDC INDUSTRIAL AREA,  
TALOJA, A.V. 410 208, DIST. – RAIGAD.

### AMBIENT AIR MONITORING :

Sampling Location	Outside IPA Material Gate	Valavali Gaon Shankar Mhatre Bungalow	Unit
Lab Reference No.	1407-1607	1407-1604	--
Date of Sampling	16:07:2014	16:07:2014	--
Time of Sampling	16:20	16:25	Hrs
Duration of Sampling	24	24	Hrs
Weight of PM <sub>10</sub> collected	1.39	1.37	mg
Weight of PM <sub>2.5</sub> collected	0.61	0.51	mg
Volume of air Sampled	24	24	m <sup>3</sup>

Parameters	Unit	Outside IPA Material Gate	Valavali Gaon Shankar Mahatre Bungalow	N.A.A.Q.S.	Methods
PM <sub>10</sub>	µg/m <sup>3</sup>	57.9	57.0	100.0	US EPA 40 CFR Chapter I Part 50 Appendix L
PM <sub>2.5</sub>	µg/m <sup>3</sup>	25.4	21.2	60.0	US EPA 40 CFR Chapter I Part 50 Appendix L
SO <sub>2</sub>	µg/m <sup>3</sup>	31.4	20.7	80.0	IS 5182 (Part II) 1960
NO <sub>2</sub>	µg/m <sup>3</sup>	37.4	29.4	80.0	IS 5182 (Part VI) 1975
CO	mg/m <sup>3</sup>	1.38	1.27	2.0 for 8 Hrs.	IS 5182 (Part X) 1999
Ammonia	µg/m <sup>3</sup>	23.1	< 14.0	400.0	APHA II <sup>ND</sup> Edition Method 402

N.A.A.Q.S. – National Ambient Air Quality Standards

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## TEST CERTIFICATE

No. GPA/O/08182/14

Date 03:09:2014

Organisation : M/s. DEEPAK FERTILISERS AND PETROCHEMICALS CORP. LTD.  
PLOT K-1, MIDC INDUSTRIAL AREA,  
TALOJA, A.V. 410 208, DIST. – RAIGAD.

### AMBIENT AIR MONITORING :

Sampling Location	Outside IPA Material Gate	Valavali Gaon Shankar Mhatre Bungalow	Unit
Date of Sampling	07:08:2014	07:08:2014	--
Time of Sampling	10:30	11:35	Hrs
Duration of Sampling	24	24	Hrs
Weight of PM <sub>10</sub> collected	1.27	1.22	mg
Weight of PM <sub>2.5</sub> collected	0.68	0.40	mg
Volume of air Sampled	24	24	m <sup>3</sup>

Parameters	Unit	Outside IPA Material Gate	Valavali Gaon Shankar Mahatre Bungalow	N.A.A.Q.S.	Methods
PM <sub>10</sub>	µg/m <sup>3</sup>	52.8	50.7	100.0	US EPA 40 CFR Chapter I Part 50 Appendix L
PM <sub>2.5</sub>	µg/m <sup>3</sup>	28.3	16.6	60.0	US EPA 40 CFR Chapter I Part 50 Appendix L
SO <sub>2</sub>	µg/m <sup>3</sup>	26.1	13.4	80.0	IS 5182 (Part II) 1960
NO <sub>2</sub>	µg/m <sup>3</sup>	29.4	21.9	80.0	IS 5182 (Part VI) 1975
CO	mg/m <sup>3</sup>	1.25	1.39	2.0 for 8 Hrs.	IS 5182 (Part X) 1999
Ammonia	µg/m <sup>3</sup>	22.0	< 14.0	400.0	APHA II <sup>ND</sup> Edition Method 402

**N.A.A.Q.S. – National Ambient Air Quality Standards**

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## TEST CERTIFICATE

No. GPA/O/08181/14

Date 03:09:2014

Organisation : M/s. DEEPAK FERTILISERS AND PETROCHEMICALS CORP. LTD.  
PLOT K-1, MIDC INDUSTRIAL AREA,  
TALOJA, A.V. 410 208, DIST. – RAIGAD.

### AMBIENT AIR MONITORING :

Sampling Location	Outside ANP Material Gate	Outside Security Gate	Unit
Date of Sampling	07:08:2014	07:08:2014	--
Time of Sampling	10:10	10:40	Hrs
Duration of Sampling	24	24	Hrs
Weight of PM <sub>10</sub> collected	1.36	1.32	mg
Weight of PM <sub>2.5</sub> collected	0.56	0.56	mg
Volume of air Sampled	24	24	m <sup>3</sup>

Parameters	Unit	Outside ANP Material Gate	Outside Security Gate	N.A.A.Q.S.	Methods
PM <sub>10</sub>	µg/m <sup>3</sup>	56.6	54.9	100.0	US EPA 40 CFR Chapter I Part 50 Appendix L
PM <sub>2.5</sub>	µg/m <sup>3</sup>	23.3	23.3	60.0	US EPA 40 CFR Chapter I Part 50 Appendix L
SO <sub>2</sub>	µg/m <sup>3</sup>	26.9	22.8	80.0	IS 5182 (Part II) 1960
NO <sub>2</sub>	µg/m <sup>3</sup>	31.4	28.9	80.0	IS 5182 (Part VI) 1975
CO	mg/m <sup>3</sup>	1.31	1.42	2.0 for 8 Hrs.	IS 5182 (Part X) 1999
Ammonia	µg/m <sup>3</sup>	24.3	25.9	400.0	APHA II <sup>ND</sup> Edition Method 402

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## TEST CERTIFICATE

No. GPA/O/09245/14

Date 06:10:2014

Organisation : M/s. DEEPAK FERTILISERS AND PETROCHEMICALS CORP. LTD.  
PLOT K-1, MIDC INDUSTRIAL AREA,  
TALOJA, A.V. 410 208, DIST. – RAIGAD.

### AMBIENT AIR MONITORING :

Sampling Location	Outside ANP Material Gate	Outside Security Gate	Unit
Date of Sampling	13:09:2014	13:09:2014	--
Time of Sampling	10:40	11:00	Hrs
Duration of Sampling	24	24	Hrs
Weight of PM <sub>10</sub> collected	1.32	1.35	mg
Weight of PM <sub>2.5</sub> collected	0.65	0.58	mg
Volume of air Sampled	24	24	m <sup>3</sup>

Parameters	Unit	Outside ANP Material Gate	Outside Security Gate	N.A.A.Q.S.	Methods
PM <sub>10</sub>	µg/m <sup>3</sup>	54.9	56.1	100.0	US EPA 40 CFR Chapter I Part 50 Appendix L
PM <sub>2.5</sub>	µg/m <sup>3</sup>	27.0	24.1	60.0	US EPA 40 CFR Chapter I Part 50 Appendix L
SO <sub>2</sub>	µg/m <sup>3</sup>	27.6	23.6	80.0	IS 5182 (Part II) 1960
NO <sub>2</sub>	µg/m <sup>3</sup>	31.9	36.4	80.0	IS 5182 (Part VI) 1975
CO	mg/m <sup>3</sup>	1.28	1.32	2.0 for 8 Hrs.	IS 5182 (Part X) 1999
Ammonia	µg/m <sup>3</sup>	23.6	20.8	400.0	APHA II <sup>ND</sup> Edition Method 402

N.A.A.Q.S. – National Ambient Air Quality Standards

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## TEST CERTIFICATE

No. GPA/O/09246/14

Date 06:10:2014

Organisation : M/s. DEEPAK FERTILISERS AND PETROCHEMICALS CORP. LTD.  
PLOT K-1, MIDC INDUSTRIAL AREA,  
TALOJA, A.V. 410 208, DIST. – RAIGAD.

### AMBIENT AIR MONITORING :

Sampling Location	Outside IPA Material Gate	Valavali Gaon Shankar Mhatre Bungalow	Unit
Date of Sampling	13:09:2014	13:09:2014	--
Time of Sampling	11:15	11:50	Hrs
Duration of Sampling	24	24	Hrs
Weight of PM <sub>10</sub> collected	1.39	1.25	mg
Weight of PM <sub>2.5</sub> collected	0.61	0.54	mg
Volume of air Sampled	24	24	m <sup>3</sup>

Parameters	Unit	Outside IPA Material Gate	Valavali Gaon Shankar Mhatre Bungalow	N.A.A.Q.S.	Methods
PM <sub>10</sub>	µg/m <sup>3</sup>	57.8	52.0	100.0	US EPA 40 CFR Chapter I Part 50 Appendix L
PM <sub>2.5</sub>	µg/m <sup>3</sup>	25.4	22.5	60.0	US EPA 40 CFR Chapter I Part 50 Appendix L
SO <sub>2</sub>	µg/m <sup>3</sup>	28.4	21.6	80.0	IS 5182 (Part II) 1960
NO <sub>2</sub>	µg/m <sup>3</sup>	33.6	27.8	80.0	IS 5182 (Part VI) 1975
CO	mg/m <sup>3</sup>	1.44	1.15	2.0 for 8 Hrs.	IS 5182 (Part X) 1999
Ammonia	µg/m <sup>3</sup>	28.5	< 14.0	400.0	APHA II <sup>ND</sup> Edition Method 402

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## TEST CERTIFICATE

No. GPA/O/10107/14

Date 31:10:2014

Organisation : M/s. DEEPAK FERTILISERS AND PETROCHEMICALS CORP. LTD.  
PLOT K-1, MIDC INDUSTRIAL AREA,  
TALOJA, A.V. 410 208, DIST. – RAIGAD.

### AMBIENT AIR MONITORING :

Sampling Location	Outside ANP Material Gate	Outside Security Gate	Unit
Date of Sampling	27:10:2014	27:10:2014	--
Time of Sampling	17:15	16:45	Hrs
Duration of Sampling	24	24	Hrs
Weight of PM <sub>10</sub> collected	1.36	1.31	mg
Weight of PM <sub>2.5</sub> collected	0.56	0.57	mg
Volume of air Sampled	24	24	m <sup>3</sup>

Parameters	Unit	Outside ANP Material Gate	Outside Security Gate	N.A.A.Q.S.	Methods
PM <sub>10</sub>	µg/m <sup>3</sup>	56.6	54.5	100.0	US EPA 40 CFR Chapter I Part 50 Appendix L
PM <sub>2.5</sub>	µg/m <sup>3</sup>	23.3	23.7	60.0	US EPA 40 CFR Chapter I Part 50 Appendix L
SO <sub>2</sub>	µg/m <sup>3</sup>	24.0	26.8	80.0	IS 5182 (Part II) 1960
NO <sub>2</sub>	µg/m <sup>3</sup>	34.7	32.4	80.0	IS 5182 (Part VI) 1975
CO	mg/m <sup>3</sup>	1.56	1.44	2.0 for 8 Hrs.	IS 5182 (Part X) 1999
Ammonia	µg/m <sup>3</sup>	29.6	25.7	400.0	APHA II <sup>ND</sup> Edition Method 402

N.A.A.Q.S. – National Ambient Air Quality Standards

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Tel No. : 022-25777069/70 • Fax - 022-2577 4545

## TEST CERTIFICATE

No. GPA/O/10108/14

Date 31:10:2014

Organisation : M/s. DEEPAK FERTILISERS AND PETROCHEMICALS CORP. LTD.  
PLOT K-1, MIDC INDUSTRIAL AREA,  
TALOJA, A.V. 410 208, DIST. – RAIGAD.

### AMBIENT AIR MONITORING :

Sampling Location	Outside IPA Material Gate	Valavali Gaon Shankar Mhatre Bungalow	Unit
Date of Sampling	27:10:2014	27:10:2014	--
Time of Sampling	17:00	17:35	Hrs
Duration of Sampling	24	24	Hrs
Weight of PM <sub>10</sub> collected	1.49	1.38	mg
Weight of PM <sub>2.5</sub> collected	0.69	0.61	mg
Volume of air Sampled	24	24	m <sup>3</sup>

Parameters	Unit	Outside IPA Material Gate	Valavali Gaon Shankar Mhatre Bungalow	N.A.A.Q.S.	Methods
PM <sub>10</sub>	µg/m <sup>3</sup>	62.0	57.4	100.0	US EPA 40 CFR Chapter I Part 50 Appendix L
PM <sub>2.5</sub>	µg/m <sup>3</sup>	28.7	25.4	60.0	US EPA 40 CFR Chapter I Part 50 Appendix L
SO <sub>2</sub>	µg/m <sup>3</sup>	22.8	20.0	80.0	IS 5182 (Part II) 1960
NO <sub>2</sub>	µg/m <sup>3</sup>	29.6	29.2	80.0	IS 5182 (Part VI) 1975
CO	mg/m <sup>3</sup>	1.41	1.24	2.0 for 8 Hrs.	IS 5182 (Part X) 1999
Ammonia	µg/m <sup>3</sup>	22.8	< 14.0	400.0	APHA II <sup>ND</sup> Edition Method 402

N.A.A.Q.S. – National Ambient Air Quality Standards

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Tel No. : 022-25777069/70 • Fax - 022-2577 4545

## TEST CERTIFICATE

No. GPA/O/1167/14

Date 22:11:2014

Organisation : M/s. DEEPAK FERTILISERS AND PETROCHEMICALS CORP. LTD.  
PLOT K-1, MIDC INDUSTRIAL AREA,  
TALOJA, A.V. 410 208, DIST. – RAIGAD.

### AMBIENT AIR MONITORING :

Sampling Location	Outside ANP Material Gate	Outside Security Gate	Unit
Date of Sampling	17:11:2014	17:11:2014	--
Time of Sampling	12:40	12:30	Hrs
Duration of Sampling	24	24	Hrs
Weight of PM <sub>10</sub> collected	1.41	1.27	mg
Weight of PM <sub>2.5</sub> collected	0.39	0.54	mg
Volume of air Sampled	24	24	m <sup>3</sup>

Parameters	Unit	Outside ANP Material Gate	Outside Security Gate	N.A.A.Q.S.	Methods
PM <sub>10</sub>	µg/m <sup>3</sup>	58.6	52.8	100.0	US EPA 40 CFR Chapter I Part 50 Appendix L
PM <sub>2.5</sub>	µg/m <sup>3</sup>	16.2	22.5	60.0	US EPA 40 CFR Chapter I Part 50 Appendix L
SO <sub>2</sub>	µg/m <sup>3</sup>	26.7	29.4	80.0	IS 5182 (Part II) 1960
NO <sub>2</sub>	µg/m <sup>3</sup>	36.6	34.5	80.0	IS 5182 (Part VI) 1975
CO	mg/m <sup>3</sup>	1.27	1.47	2.0 for 8 Hrs.	IS 5182 (Part X) 1999
Ammonia	µg/m <sup>3</sup>	22.0	26.4	400.0	APHA II <sup>ND</sup> Edition Method 402

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## TEST CERTIFICATE

No. GPA/O/1168/14

Date 22:11:2014

Organisation : M/s. DEEPAK FERTILISERS AND PETROCHEMICALS CORP. LTD.  
PLOT K-1, MIDC INDUSTRIAL AREA,  
TALOJA, A.V. 410 208, DIST. – RAIGAD.

### AMBIENT AIR MONITORING :

Sampling Location	Outside IPA Material Gate	Valavali Gaon Shankar Mhatre Bungalow	Unit
Date of Sampling	17:11:2014	17:11:2014	--
Time of Sampling	12:00	12:20	Hrs
Duration of Sampling	24	24	Hrs
Weight of PM <sub>10</sub> collected	1.48	1.42	mg
Weight of PM <sub>2.5</sub> collected	0.71	0.62	mg
Volume of air Sampled	24	24	m <sup>3</sup>

Parameters	Unit	Outside IPA Material Gate	Valavali Gaon Shankar Mahatre Bungalow	N.A.A.Q.S.	Methods
PM <sub>10</sub>	µg/m <sup>3</sup>	61.5	59.0	100.0	US EPA 40 CFR Chapter I Part 50 Appendix L
PM <sub>2.5</sub>	µg/m <sup>3</sup>	29.5	25.8	60.0	US EPA 40 CFR Chapter I Part 50 Appendix L
SO <sub>2</sub>	µg/m <sup>3</sup>	21.4	19.4	80.0	IS 5182 (Part II) 1960
NO <sub>2</sub>	µg/m <sup>3</sup>	31.6	25.1	80.0	IS 5182 (Part VI) 1975
CO	mg/m <sup>3</sup>	1.37	1.12	2.0 for 8 Hrs.	IS 5182 (Part X) 1999
Ammonia	µg/m <sup>3</sup>	25.5	< 14.0	400.0	APHA II <sup>ND</sup> Edition Method 402

### N.A.A.Q.S. – National Ambient Air Quality Standards

For GADARK LAB PVT. LTD.

[B. S. RANE]  
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## TEST CERTIFICATE

No. GPA/O/12101/14

Date 19:12:2014

Organisation : M/s. DEEPAK FERTILISERS AND PETROCHEMICALS CORP. LTD.  
PLOT K-1, MIDC INDUSTRIAL AREA,  
TALOJA, A.V. 410 208, DIST. – RAIGAD.

### AMBIENT AIR MONITORING :

Sampling Location	Outside ANP Material Gate	Outside Security Gate	Unit
Date of Sampling	15:12:2014	15:12:2014	--
Time of Sampling	12:15	12:00	Hrs
Duration of Sampling	24	24	Hrs
Weight of PM <sub>10</sub> collected	1.46	1.4	mg
Weight of PM <sub>2.5</sub> collected	0.72	0.58	mg
Volume of air Sampled	24	24	m <sup>3</sup>

Parameters	Unit	Outside ANP Material Gate	Outside Security Gate	N.A.A.Q.S.	Methods
PM <sub>10</sub>	µg/m <sup>3</sup>	60.7	58.2	100.0	US EPA 40 CFR Chapter I Part 50 Appendix L
PM <sub>2.5</sub>	µg/m <sup>3</sup>	29.9	24.1	60.0	US EPA 40 CFR Chapter I Part 50 Appendix L
SO <sub>2</sub>	µg/m <sup>3</sup>	30.4	28.4	80.0	IS 5182 (Part II) 1960
NO <sub>2</sub>	µg/m <sup>3</sup>	39.0	44.0	80.0	IS 5182 (Part VI) 1975
CO	mg/m <sup>3</sup>	1.34	1.42	2.0 for 8 Hrs.	IS 5182 (Part X) 1999
Ammonia	µg/m <sup>3</sup>	24.3	26.6	400.0	APHA II <sup>ND</sup> Edition Method 402

### N.A.A.Q.S. – National Ambient Air Quality Standards

For GADARK LAB PVT. LTD.

[B. S. RANE]  
DIRECTOR

CHECKED BY

Renewal of Recognition of our Laboratory by Ministry of Environment & Forest, Government of India, New Delhi under the Environment Protection Act, 1986, is in progress.

ISO 9001:2008 Certified & BS OHSAS 18001:2007 Certified



# GADARK LAB PVT. LTD.

## INDUSTRIAL ANALYSTS & CONSULTANTS

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## TEST CERTIFICATE

No. GPA/O/12102/14

Date 19:12:2014

Organisation : M/s. DEEPAK FERTILISERS AND PETROCHEMICALS CORP. LTD.  
PLOT K-1, MIDC INDUSTRIAL AREA,  
TALOJA, A.V. 410 208, DIST. – RAIGAD.

### AMBIENT AIR MONITORING :

Sampling Location	Outside IPA Material Gate	Valavali Gaon Shankar Mhatre Bungalow	Unit
Date of Sampling	15:12:2014	15:12:2014	--
Time of Sampling	12:30	13:00	Hrs
Duration of Sampling	24	24	Hrs
Weight of PM <sub>10</sub> collected	1.39	1.34	mg
Weight of PM <sub>2.5</sub> collected	0.63	0.55	mg
Volume of air Sampled	24	24	m <sup>3</sup>

Parameters	Unit	Outside IPA Material Gate	Valavali Gaon Shankar Mhatre Bungalow	N.A.A.Q.S.	Methods
PM <sub>10</sub>	µg/m <sup>3</sup>	57.8	55.7	100.0	US EPA 40 CFR Chapter I Part 50 Appendix L
PM <sub>2.5</sub>	µg/m <sup>3</sup>	26.2	22.9	60.0	US EPA 40 CFR Chapter I Part 50 Appendix L
SO <sub>2</sub>	µg/m <sup>3</sup>	34.9	25.6	80.0	IS 5182 (Part II) 1960
NO <sub>2</sub>	µg/m <sup>3</sup>	42.3	33.9	80.0	IS 5182 (Part VI) 1975
CO	mg/m <sup>3</sup>	1.39	1.31	2.0 for 8 Hrs.	IS 5182 (Part X) 1999
Ammonia	µg/m <sup>3</sup>	22.9	< 14.0	400.0	APHA II <sup>ND</sup> Edition Method 402

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