



# 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

Doc.No : GLPL/QF/5.10/01

Test Certificate No.	GPA/K/15/6/0186	T. C. Date	27:06:2015
Customer Name and Address	M/s. DEEPAK FERTILISERS AND PETROCHEMICALS CORPORATION LTD. PLOT K-1, MIDC INDUSTRIAL AREA, TALOJA, A.V. 410 208, DIST. - RAIGAD.		
Letter Ref / Date .	---		
Sampling Done By	GLPL	Page No.	1 of 1
Sample Received on	23/06/2015	Analysis Period	24/06/2015 To 26/06/2015

#### SAMPLING DETAILS - AMBIENT AIR MONITORING :-

Sampling Location	Outside ANP Material Gate	Outside Security Gate
Date of Sampling	22:06:2015	22:06:2015
Time of Sampling [Hrs.]	11:30	12:00
Ambient Temperature [°C]	32	32
Duration of Sampling [Hrs]	24	24

#### ANALYSIS REPORT :-

Parameters	Unit	Outside ANP Material Gate	Outside Security Gate	*N.A.A.Q.S.	Methods
PM <sub>10</sub>	µg/m <sup>3</sup>	61.1	61.3	100.0	NAAQMS/36/3012-2013 Volume 1
PM <sub>2.5</sub>	µg/m <sup>3</sup>	25.4	27.0	60.0	NAAQMS/36/3012-2013 Volume 1
SO <sub>2</sub>	µg/m <sup>3</sup>	27.4	28.0	80.0	IS 5182 (Part II) 2012
NO <sub>2</sub>	µg/m <sup>3</sup>	24.6	38.8	80.0	IS 5182 (Part VI) 2012
CO	mg/m <sup>3</sup>	1.08	1.32	2.0 for 8 Hrs.	IS 5182 (Part X) 2009
Ammonia	µg/m <sup>3</sup>	25.5	21.3	400.0	APHA Method 401 3 <sup>rd</sup> Edition

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

End

For GADARK LAB PVT. LTD.

  
[B. S. RANE]  
DIRECTOR

  
CHECKED BY

#### Note :

1. The results relate only to the samples tested
2. Test certificate shall not be reproduced except in full, without written approval of the laboratory.
3. Samples will be preserved for a period 15 days from the delivery of Test Certificate.
4. Test Results relate only to the conditions prevailing at the time of sampling



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### TEST CERTIFICATE

Doc.No : GLPL/QF/5.10/01

Test Certificate No.	GPA/K/15/6/0187		T. C. Date	27:06:2015
Customer Name and Address	M/s. DEEPAK FERTILISERS AND PETROCHEMICALS CORPORATION LTD. PLOT K-1, MIDC INDUSTRIAL AREA, TALOJA, A.V. 410 208, DIST. - RAIGAD.			
Letter Ref / Date	---			
Sampling Done By	GLPL	Page No.	1 of 1	
Sample Received on	23/06/2015	Analysis Period	24/06/2015 To 26/06/2015	

#### SAMPLING DETAILS - AMBIENT AIR MONITORING :-

Sampling Location	Outside IPA Material Gate	Valavali Gaon Shankar Mahatre Bunglow
Date of Sampling	22:06:2015	22:06:2015
Time of Sampling [Hrs.]	11:00	12:20
Ambient Temperature [°C]	32	32
Duration of Sampling [Hrs]	24	24

#### ANALYSIS REPORT :-

Parameters	Unit	Outside IPA Material Gate	Valavali Gaon Shankar Mahatre Bunglow	*N.A.A.Q.S.	Methods
PM <sub>10</sub>	µg/m <sup>3</sup>	61.7	68.0	100.0	NAAQMS/36/3012-2013 Volume 1
PM <sub>2.5</sub>	µg/m <sup>3</sup>	24.5	28.7	60.0	NAAQMS/36/3012-2013 Volume 1
SO <sub>2</sub>	µg/m <sup>3</sup>	32.7	29.4	80.0	IS 5182 (Part II) 2012
NO <sub>2</sub>	µg/m <sup>3</sup>	36.4	32.4	80.0	IS 5182 (Part VI) 2012
CO	mg/m <sup>3</sup>	1.51	1.42	2.0 for 8 Hrs.	IS 5182 (Part X) 2009
Ammonia	µg/m <sup>3</sup>	25.2	< 14.0	400.0	APHA Method 401 3 <sup>rd</sup> Edition

\*N.A.A.Q.S. - National Ambient Air Quality Standards

End

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### TEST CERTIFICATE

Doc.No : GLPL/QF/5.10/01

Test Certificate No.	GPAK/15/5/0184	T. C. Date	27:05:2015
Customer Name and Address	M/s. DEEPAK FERTILISERS AND PETROCHEMICALS CORP. LTD. PLOT K-1, MIDC INDUSTRIAL AREA, TALOJA, A.V. 410 208, DIST. - RAIGAD.		
Letter Ref / Date .	--		
Sampling Done By	GLPL	Page No.	1 of 1
Sample Received on	23/05/2015	Analysis Period	24/05/2015 To 27/05/2015

#### SAMPLING DETAILS - AMBIENT AIR MONITORING :-

Sampling Location	Outside ANP Material Gate	Outside Security Gate
Date of Sampling	22:05:2015	22:05:2015
Time of Sampling [am]	11:20	11:30
Ambient Temperature [°C]	33	33
Duration of Sampling [Hrs]	24	24

#### ANALYSIS REPORT :-

Parameters	Unit	Outside ANP Material Gate	Outside Security Gate	*N.A.A.Q.S.	Methods
PM <sub>10</sub>	µg/m <sup>3</sup>	58.2	57.6	100.0	NAAQMS/36/3012-2013 Volume 1
PM <sub>2.5</sub>	µg/m <sup>3</sup>	28.7	28.3	60.0	NAAQMS/36/3012-2013 Volume 1
SO <sub>2</sub>	µg/m <sup>3</sup>	24.7	32.1	80.0	IS 5182 (Part II) 2012
NO <sub>2</sub>	µg/m <sup>3</sup>	30.0	37.2	80.0	IS 5182 (Part VI) 2012
CO	mg/m <sup>3</sup>	1.35	1.43	2.0 for 8 Hrs.	IS 5182 (Part X) 2009
Ammonia	µg/m <sup>3</sup>	25.2	21.1	400.0	APHA Method 401 3 <sup>rd</sup> Edition

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GPB/05/60/15 (30-05-15)

## TEST CERTIFICATE

Doc.No : GLPL/QF/5.10/01

Test Certificate No.	GPAK/15/5/0185	T. C. Date	27:05:2015
Customer Name and Address	M/s. DEEPAK FERTILISERS AND PETROCHEMICALS CORP. LTD. PLOT K-1, MIDC INDUSTRIAL AREA, TALOJA, A.V. 410 208, DIST. - RAIGAD.		
Letter Ref / Date .	—		
Sampling Done By	GLPL	Page No.	1 of 1
Sample Received on	23/05/2015	Analysis Period	24/05/2015 To 27/05/2015

### SAMPLING DETAILS - AMBIENT AIR MONITORING :-

Sampling Location	Outside IPA Material Gate	Valavali Gaon Shankar Mahatre Bunglow
Date of Sampling	22:05:2015	22:05:2015
Time of Sampling [am]	11:00	13:00
Ambient Temperature [°C]	33	34
Duration of Sampling [Hrs]	24	24

### ANALYSIS REPORT :-

Parameters	Unit	Outside IPA Material Gate	Valavali Gaon Shankar Mahatre Bunglow	*N.A.A.Q.S.	Methods
PM <sub>10</sub>	µg/m <sup>3</sup>	56.2	55.7	100.0	NAAQMS/36/3012-2013 Volume 1
PM <sub>2.5</sub>	µg/m <sup>3</sup>	25.4	23.3	60.0	NAAQMS/36/3012-2013 Volume 1
SO <sub>2</sub>	µg/m <sup>3</sup>	34.7	22.0	80.0	IS 5182 (Part II) 2012
NO <sub>2</sub>	µg/m <sup>3</sup>	36.9	25.9	80.0	IS 5182 (Part VI) 2012
CO	mg/m <sup>3</sup>	1.29	0.98	2.0 for 8 Hrs.	IS 5182 (Part X) 2009
Ammonia	µg/m <sup>3</sup>	24.3	< 14.0	400.0	APHA Method 401 3 <sup>rd</sup> Edition

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End

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

## TEST CERTIFICATE

No. GPA/K/15/4/0091

Date 24:04:2015

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	20:04:2015	20:04:2015	--
Time of Sampling	11:00	10:50	Hrs
Duration of Sampling	24	24	Hrs

Parameters	Unit	Outside ANP Material Gate	Outside Security Gate	N.A.A.Q.S.	Methods
PM <sub>10</sub>	µg/m <sup>3</sup>	57.7	58.4	100.0	NAAQMS/36/2012-2013 Volume - 1
PM <sub>2.5</sub>	µg/m <sup>3</sup>	28.3	29.9	60.0	NAAQMS/36/2012-2013 Volume - 1
SO <sub>2</sub>	µg/m <sup>3</sup>	29.2	28.4	80.0	IS 5182 (Part II) 2012
NO <sub>2</sub>	µg/m <sup>3</sup>	39.8	41.7	80.0	IS 5182 (Part VI) 2012
CO	mg/m <sup>3</sup>	1.37	1.46	2.0 for 8 Hrs.	IS 5182 (Part X) 2009
Ammonia	µg/m <sup>3</sup>	25.5	20.8	400.0	APHA Method 401 3 <sup>rd</sup> Edition

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

For GADARK LAB PVT. LTD.

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## TEST CERTIFICATE

No. GPA/K/15/4/0092

Date 24:04:2015

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	20:04:2015	20:04:2015	--
Time of Sampling	11:20	11:40	Hrs
Duration of Sampling	24	24	Hrs

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>	55.6	51.3	100.0	NAAQMS/36/2012-2013 Volume - 1
PM <sub>2.5</sub>	µg/m <sup>3</sup>	23.3	25.8	60.0	NAAQMS/36/2012-2013 Volume - 1
SO <sub>2</sub>	µg/m <sup>3</sup>	28.8	26.4	80.0	IS 5182 (Part II) 2012
NO <sub>2</sub>	µg/m <sup>3</sup>	38.5	38.0	80.0	IS 5182 (Part VI) 2012
CO	mg/m <sup>3</sup>	1.33	1.29	2.0 for 8 Hrs.	IS 5182 (Part X) 2009
Ammonia	µg/m <sup>3</sup>	22.7	< 14.0	400.0	APHA Method 401 3 <sup>rd</sup> Edition

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

For GADARK LAB PVT. LTD.

[B. S. RANE]  
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GPB/03175/15 (23-3-15)

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

## TEST CERTIFICATE

No. GPA/K/15/3/0107

Date 27:03:2015

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	23:03:2015	23:03:2015	--
Time of Sampling	11:30	11:45	Hrs
Duration of Sampling	24	24	Hrs

Parameters	Unit	Outside ANP Material Gate	Outside Security Gate	N.A.A.Q.S.	Methods
PM <sub>10</sub>	µg/m <sup>3</sup>	56.2	58.3	100.0	NAAQMS/36/2012-2013 Volume - 1
PM <sub>2.5</sub>	µg/m <sup>3</sup>	26.6	27.4	60.0	NAAQMS/36/2012-2013 Volume - 1
SO <sub>2</sub>	µg/m <sup>3</sup>	27.6	29.0	80.0	IS 5182 (Part II) 2012
NO <sub>2</sub>	µg/m <sup>3</sup>	38.6	43.7	80.0	IS 5182 (Part VI) 2012
CO	mg/m <sup>3</sup>	1.31	1.38	2.0 for 8 Hrs.	IS 5182 (Part X) 2009
Ammonia	µg/m <sup>3</sup>	27.5	20.8	400.0	APHA Method 411 3 <sup>rd</sup> Edition

**N.A.A.Q.S. – National Ambient Air Quality Standards**For **GADARK LAB PVT. LTD.****[B. S. RANE]  
DIRECTOR**  
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Tel No. : 022-25777089/70 • Fax - 022-2577 4545

## TEST CERTIFICATE

No. GPA/K/15/3/0108

Date 27:03:2015

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	23:03:2015	23:03:2015	--
Time of Sampling	12:05	12:40	Hrs
Duration of Sampling	24	24	Hrs

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>	57.5	50.8	100.0	NAAQMS/36/2012-2013 Volume - 1
PM <sub>2.5</sub>	µg/m <sup>3</sup>	28.3	25.0	60.0	NAAQMS/36/2012-2013 Volume - 1
SO <sub>2</sub>	µg/m <sup>3</sup>	26.8	23.4	80.0	IS 5182 (Part II) 2012
NO <sub>2</sub>	µg/m <sup>3</sup>	35.2	36.4	80.0	IS 5182 (Part VI) 2012
CO	mg/m <sup>3</sup>	1.29	1.23	2.0 for 8 Hrs.	IS 5182 (Part X) 2009
Ammonia	µg/m <sup>3</sup>	23.1	< 14.0	400.0	APHA Method 411 3 <sup>rd</sup> Edition

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

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GPB/02201/15 (28/2/15)



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

## TEST CERTIFICATE

No. GPA/K/15/2/02131

Date 25:02:2015

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	20:02:2015	20:02:2015	--
Time of Sampling	12:10	12:20	Hrs
Duration of Sampling	24	24	Hrs

Parameters	Unit	Outside ANP Material Gate	Outside Security Gate	N.A.A.Q.S.	Methods
PM <sub>10</sub>	µg/m <sup>3</sup>	58.8	57.4	100.0	NAAQMS/36/2012-2013 Volume - 1
PM <sub>2.5</sub>	µg/m <sup>3</sup>	29.5	26.6	60.0	NAAQMS/36/2012-2013 Volume - 1
SO <sub>2</sub>	µg/m <sup>3</sup>	24.5	23.7	80.0	IS 5182 (Part II) 2012
NO <sub>2</sub>	µg/m <sup>3</sup>	30.7	32.7	80.0	IS 5182 (Part VI) 2012
CO	mg/m <sup>3</sup>	1.28	1.23	2.0 for 8 Hrs.	IS 5182 (Part X) 2009
Ammonia	µg/m <sup>3</sup>	25.5	24.3	400.0	APHA Method 411 3 <sup>rd</sup> Edition

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G.P.B/0220115 (28/2/15)



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## TEST CERTIFICATE

No. GPA/K/15/2/02132

Date 25:02:2015

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	20:02:2015	20:02:2015	-
Time of Sampling	12:30	12:40	Hrs
Duration of Sampling	24	24	Hrs

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>	56.4	55.5	100.0	NAAQMS/36/2012-2013 Volume - 1
PM <sub>2.5</sub>	µg/m <sup>3</sup>	25.8	28.3	60.0	NAAQMS/36/2012-2013 Volume - 1
SO <sub>2</sub>	µg/m <sup>3</sup>	28.3	25.0	80.0	IS 5182 (Part II) 2012
NO <sub>2</sub>	µg/m <sup>3</sup>	42.8	28.5	80.0	IS 5182 (Part VI) 2012
CO	mg/m <sup>3</sup>	1.42	1.16	2.0 for 8 Hrs.	IS 5182 (Part X) 2009
Ammonia	µg/m <sup>3</sup>	27.8	< 14.0	400.0	APHA Method 411 3 <sup>rd</sup> Edition

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

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# 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, Vikhroll (West), Mumbai - 83.

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

## TEST CERTIFICATE

No. GPA/K/15/0073

Date 29:01:2015

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	23:01:2015	23:01:2015	—
Time of Sampling	11:45	11:30	Hrs
Duration of Sampling	24	24	Hrs

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	57.4	100.0	US EPA 40 CFR Chapter I Part 50 Appendix L
PM <sub>2.5</sub>	µg/m <sup>3</sup>	29.9	27.4	60.0	US EPA 40 CFR Chapter I Part 50 Appendix L
SO <sub>2</sub>	µg/m <sup>3</sup>	31.2	28.0	80.0	IS 5182 (Part II) 1960
NO <sub>2</sub>	µg/m <sup>3</sup>	37.4	33.7	80.0	IS 5182 (Part VI) 1975
CO	mg/m <sup>3</sup>	1.44	1.35	2.0 for 8 Hrs.	IS 5182 (Part X) 1999
Ammonia	µg/m <sup>3</sup>	25.5	23.1	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

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## TEST CERTIFICATE

No. GPA/K/15/0074

Date 29:01:2015

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	23:01:2015	23:01:2015	--
Time of Sampling	12:00	12:20	Hrs
Duration of Sampling	24	24	Hrs

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>	55.1	52.9	100.0	US EPA 40 CFR Chapter I Part 50 Appendix L
PM <sub>2.5</sub>	µg/m <sup>3</sup>	25.8	22.5	60.0	US EPA 40 CFR Chapter I Part 50 Appendix L
SO <sub>2</sub>	µg/m <sup>3</sup>	27.2	24.0	80.0	IS 5182 (Part II) 1960
NO <sub>2</sub>	µg/m <sup>3</sup>	35.3	30.8	80.0	IS 5182 (Part VI) 1975
CO	mg/m <sup>3</sup>	1.37	1.02	2.0 for 8 Hrs.	IS 5182 (Part X) 1999
Ammonia	µg/m <sup>3</sup>	27.8	< 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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