



ANALYTICAL SOLUTIONS
WORLDWIDE

SHIVA ANALYTICALS (INDIA) PRIVATE LIMITED

Plot No. 24D(P) & 34D, KIADB Industrial Area,
Hoskote, Bangalore - 562 114. Karnataka, India
Tel : +91-80 2801 5333 / 2797 1322/1626/1431
Fax : + 91-80-2797 1321
Email : info@shivaanalyticals.com
Website : www.shivaanalyticals.com
CIN : U24230TG1994PTC018752

TEST CERTIFICATE SAIL No. 00518065537

Issued To :

Karnataka Compost Development Ltd.,
Haralakunte, Madiwala Post, Hosur Road, Bangalore
Karnataka-560 068, India.

Your Ref : KCDC/W.O./47/2017-18

Date : 18 Jun 2018

CA No. : 00518065537

Date of Receipt : 25 Jun 2018

Date of Report : 26 Jun 2018

Matrix: Ambient Air

Page 1 of 1

Customer ID : KCDC South Near Maingate

Date of Sampling : 23 and 24.06.2018

Time of sampling: 03.00 pm to 03.00 pm

Duration of Sampling: 24 Hrs

Sampling By : Representatives of Shiva Analyticals (India) Pvt. Ltd.,

Instrument Used : Envirotech Respirable Dust Sampler Model : APM-460 & 411

Sl. No	TESTS	UNIT	RESULTS	REQUIREMENT	PROTOCOL
1	National Ambient Air Quality Standard (NAAQS)				
1.1	Particulate Matter (PM ₁₀)	µg/m ³	57	100 max	IS : 5182 (P-23) 2006
1.2	Particulate Matter (PM _{2.5})	µg/m ³	28.6	60 max	Gravimetry
1.3	Nitrogen Dioxide (NO ₂)	µg/m ³	35.2	80 max	IS : 5182 (P-6) 2006
1.4	Sulphur Dioxide (SO ₂)	µg/m ³	12.6	80 max	IS : 5182 (P-2) 2001
1.5	Carbon Monoxide (CO)	mg/m ³	0.88	2.0 max	IS : 5182 (P-10) 1999
1.6	Lead (Pb)	µg/m ³	0.228	1.0 max	IS: 5182(P-22)-2004
1.7	Ozone (O ₃)	µg/m ³	85.2	100 max	IS:5182(P-09)-1974
1.8	Ammonia (NH ₃)	µg/m ³	42.6	400 max	Indophenol Blue Method
1.9	Benzene (C ₆ H ₆)	µg/m ³	< 2.5	05 max	IS : 5182 (P-11) 2006
1.10	Benzo (a) Pyrene (BaP)- Particulate Phase only	ng/m ³	0.658	1.0 max	HPLC
1.11	Arsenic (As),	ng/m ³	3.9	06 max	USEPA Compendium Method IO-3.1 & 3.4,
1.12	Nickel (Ni)	ng/m ³	1.7	20 max	USEPA Compendium Method IO-3.1 & 3.4,

Note : HPLC : High Performance Liquid Chromatography

Remarks: The Requirement mentioned here is as per National Ambient Air Quality Standards.

End of Report

Note :

- The results listed above pertain only to the tested samples and applicable parameters.
- Samples which are degradable will be disposed immediately after testing and others will be disposed after one month from the date of issue of test certificate unless otherwise specified.
- Total liability of our laboratory is limited to the invoice amount.
- This report is not to be reproduced either wholly or in part and cannot be used as an evidence in the Court of Law and should not be used in any advertising media without prior written permission.
- In case any reconfirmation of contents of this test certificate is required, please contact our office.
- Sampling is not done by us unless otherwise specified.
- Any discrepancy in the Test Certificate should be notified within 30 days.

Krishnamurthy
Authorized Signatory

Mr. Krishnamurthy
Lab Incharge
Environment

Accreditations : ISO/IEC 17025:2005(NABL)
Certifications : ISO 9001:2008, OHSMS:18001:2007, BIS, KSPCB Gr. A, AYUSH
Approvals : FSSAI, Office of the Drug controller for the state of Karnataka

SAIL/FRM-01R



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Date of Report : 26 Jun 2018

Matrix: Ambient Air

Page 1 of 1

Customer ID : KCDC NORTH Side Near Somasunder Palya Lake and near Apartmends

Date of Sampling : 23 and 24.06.2018

Time of sampling: 03.45 pm to 03.45 pm

Duration of Sampling: 24 Hrs

Sampling By : Representatives of Shiva Analyticals (India) Pvt. Ltd.,

Instrument Used : Envirotech Respirable Dust Sampler Model : APM-460 & 411


Sl. No	TESTS	UNIT	RESULTS	REQUIREMENT	PROTOCOL
1	National Ambient Air Quality Standard (NAAQS)				
1.1	Particulate Matter (PM ₁₀)	µg/m ³	62	100 max	IS : 5182 (P-23) 2006
1.2	Particulate Matter (PM _{2.5})	µg/m ³	33.5	60 max	Gravimetry
1.3	Nitrogen Dioxide (NO ₂)	µg/m ³	42.6	80 max	IS : 5182 (P-6) 2006
1.4	Sulphur Dioxide (SO ₂)	µg/m ³	16.1	80 max	IS : 5182 (P-2) 2001
1.5	Carbon Monoxide (CO)	mg/m ³	1.09	2.0 max	IS : 5182 (P-10) 1999
1.6	Lead (Pb)	µg/m ³	0.025	1.0 max	IS: 5182(P-22)-2004
1.7	Ozone (O ₃)	µg/m ³	82.0	100 max	IS:5182(P-09)-1974
1.8	Ammonia (NH ₃)	µg/m ³	45.6	400 max	Indophenol Blue Method
1.9	Benzene (C ₆ H ₆)	µg/m ³	3.03	05 max	IS : 5182 (P-11) 2006
1.10	Benzo (a) Pyrene (BaP)- Particulate Phase only	ng/m ³	1.86	1.0 max	HPLC
1.11	Arsenic (As),	ng/m ³	< 1.0	06 max	USEPA Compendium Method IO-3.1 & 3.4,
1.12	Nickel (Ni)	ng/m ³	2.5	20 max	USEPA Compendium Method IO-3.1 & 3.4,

Note : HPLC : High Performance Liquid Chromatography

Remarks: The Requirement mentioned here is as per National Ambient Air Quality Standards.

End of Report

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TEST CERTIFICATE SAIL No. 00518065539

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Page 1 of 1

Customer ID : KCDC West Gate, Near Nursery and Reject Heap

Date of Sampling : 23 and 24.06.2018

Time of sampling: 04.30 pm to 04.30 pm

Duration of Sampling: 24 Hrs

Sampling By : Representatives of Shiva Analyticals (India) Pvt. Ltd.,

Instrument Used : Envirotech Respirable Dust Sampler Model : APM-460 & 411

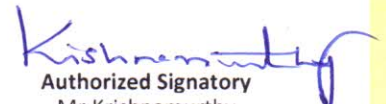
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1.1	Particulate Matter (PM ₁₀)	µg/m ³	60	100 max	IS : 5182 (P-23) 2006
1.2	Particulate Matter (PM _{2.5})	µg/m ³	31.8	60 max	Gravimetry
1.3	Nitrogen Dioxide (NO ₂)	µg/m ³	40.8	80 max	IS : 5182 (P-6) 2006
1.4	Sulphur Dioxide (SO ₂)	µg/m ³	15.2	80 max	IS : 5182 (P-2) 2001
1.5	Carbon Monoxide (CO)	mg/m ³	1.26	2.0 max	IS : 5182 (P-10) 1999
1.6	Lead (Pb)	µg/m ³	0.507	1.0 max	IS : 5182(P-22)-2004
1.7	Ozone (O ₃)	µg/m ³	88.3	100 max	IS:5182(P-09)-1974
1.8	Ammonia (NH ₃)	µg/m ³	47.0	400 max	Indophenol Blue Method
1.9	Benzene (C ₆ H ₆)	µg/m ³	< 2.5	05 max	IS : 5182 (P-11) 2006
1.10	Benzo (a) Pyrene (BaP)- Particulate Phase only	ng/m ³	0.986	1.0 max	HPLC
1.11	Arsenic (As),	ng/m ³	1.0	06 max	USEPA Compendium Method IO-3.1 & 3.4,
1.12	Nickel (Ni)	ng/m ³	2.4	20 max	USEPA Compendium Method IO-3.1 & 3.4,

Note : HPLC : High Performance Liquid Chromatography

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