



AMBIENT AIR QUALITY MONITORING REPORT

Sample ID : AA/09/22/054	Report No. AA/09/22/054	Report Date	10/09/2022
Name and address of Customer	Polygenta Technologies Limited Gat No. 265/1, 266, Village Avankhed, Tal. Dindori, Dist. Nashik - 422202, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ambient Air
Sampling Location	Near Main Gate	Date - Sampling	05/09/2022 to 06/09/2022
Sample Quantity / Packing	PM ₁₀ : Bap, Metals: 1 x 3 no. filter paper PM _{2.5} : 1 x 1 no. filter paper SO ₂ , NO ₂ : 30 ml x 6 no. plastic bottle each NH ₃ : 10 ml x 24 no. plastic bottle Ozone: 10 ml x 1 no. plastic bottle C ₆ H ₆ : 1 x 6 no. charcoal tubes CO: 1 x 1 no. bladder	Date - Receipt of Sample	06/09/2022
Sampling Procedure	As per method reference	Date - Start of Analysis	06/09/2022
Order Reference	P.O. No. PO/AMC/006/22-23 dated 07.04.2022	Date - Completion of Analysis	09/09/2022

Meteorological Data / Environmental Conditions

Average Wind Velocity 0.90 km/h	Wind Direction W-E	Relative Humidity (Max./Min.): 85/82%	Temperature (Max./Min.): 28/24°C	Duration of Survey 24 h
Parameter	Result	NAAQS# 2009	Unit	Method

Chemical Testing; Group: Atmospheric Pollution

Sulphur Dioxide (SO ₂)	5.03	80	µg/m ³	IS 5182 (Part 2): 2001
Nitrogen Dioxide (NO ₂)	8.65	80	µg/m ³	IS 5182 (Part 6): 2006
Particulate Matter (size less than 10 µm) or PM ₁₀	58	100	µg/m ³	IS 5182 (Part 23): 2006
Particulate Matter (size less than 2.5 µm) or PM _{2.5}	12	60	µg/m ³	CPCB Guideline, Volume I.36/2012-13, Page No.15:2013
Ozone (O ₃)	BLQ (LOQ:19.6)	180	µg/m ³	Methods of Air Sampling and Analysis (AWMA), 3rd Ed., Method 41I, Page no. 403:1988
Lead (as Pb)	BLQ (LOQ:0.02)	1	µg/m ³	EPA/625/R-96/D10 a Compendium Method IO-3.1 & 3.2
Carbon Monoxide (CO)	1.96	4	mg/m ³	CPCB Guidelines, Volume II, 37/2012-13, Page no.16: 2013
Ammonia (NH ₃)	BLQ (LOQ:20)	400	µg/m ³	CPCB Guidelines, Volume I.36/2012-13, Page No.35: 2013
Benzene (C ₆ H ₆)	1.42	5	µg/m ³	IS 5182 (Part II): 2006
Benzo (a) pyrene (BaP) Particulate Phase only	BLQ (LOQ:0.2)	1	ng/m ³	IS 5182 (Part I2): 2004
Arsenic (as As)	BLQ (LOQ:0.3)	6	ng/m ³	EPA/625/R-96/D10 a Compendium Method IO-3.1 & 3.4
Nickel (as Ni)	BLQ (LOQ:3)	20	ng/m ³	EPA/625/R-96/D10 a Compendium Method IO-3.1 & 3.2

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification

TWA : Time Weighted Average

: NAAQS (National Ambient Air Quality Standards (Industrial, Residential, Rural and other Area) specified as: 24 hours TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM₁₀, PM_{2.5}, Lead and Ammonia, 1 hour TWA in case of Carbon Monoxide and Ozone, Annual TWA in case of Benzene, Benzo (a) Pyrene, Arsenic and Nickel.

B. Stewale
Kavita Stewale
Section In-Charge (Chemical)
Reviewed & Authorised by

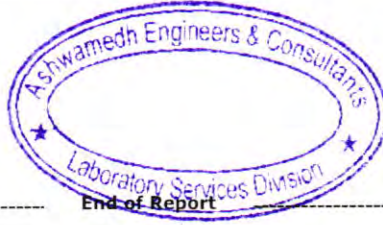




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B. Shewale

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End of Report

Note:

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4. There are no additions to, deviations or exclusions from the method.





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Name and address of Customer	Polygenta Technologies Limited Gat No. 265/1, 266, Village Avankhed, Tal. Dindori, Dist. Nashik - 422202, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ambient Air
Sampling Location	Near South Gate	Date - Sampling	05/09/2022 to 06/09/2022
Sample Quantity / Packing	PM ₁₀ : Bap, Metals: 1 x 3 no. filter paper PM _{2.5} : 1 x 1 no. filter paper SO ₂ , NO ₂ : 30 ml x 6 no. plastic bottle each NH ₃ : 10 ml x 24 no. plastic bottle Ozone: 10 ml x 1 no. plastic bottle C ₆ H ₆ : 1 x 6 no. charcoal tubes CO: 1 x 1 no. bladder	Date - Receipt of Sample	06/09/2022
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Meteorological Data / Environmental Conditions

Average Wind Velocity 0.90 km/h	Wind Direction W-E	Relative Humidity (Max./Min.): 85/82%	Temperature (Max./Min.): 28/24°C	Duration of Survey 24 h
Parameter	Result	NAAQS# 2009	Unit	Method

Chemical Testing; Group: Atmospheric Pollution

Sulphur Dioxide (SO ₂)	4.80	80	µg/m ³	IS 5182 (Part 2): 2001
Nitrogen Dioxide (NO ₂)	9.72	80	µg/m ³	IS 5182 (Part 6): 2006
Particulate Matter (size less than 10 µm) or PM ₁₀	51	100	µg/m ³	IS 5182 (Part 23): 2006
Particulate Matter (size less than 2.5 µm) or PM _{2.5}	13	60	µg/m ³	CPCB Guideline, Volume I.36/2012-13, Page No.15:2013
Ozone (O ₃)	BLQ (LOQ:19.6)	180	µg/m ³	Methods of Air Sampling and Analysis (AWMA), 3rd Ed., Method 411, Page no. 403:1988
Lead (as Pb)	BLQ (LOQ:0.02)	1	µg/m ³	EPA/625/R-96/D10 a Compendium Method 10-3.1 & 3.2
Carbon Monoxide (CO)	1.45	4	mg/m ³	CPCB Guidelines, Volume II, 37/2012-13, Page no.16: 2013
Ammonia (NH ₃)	BLQ (LOQ:20)	400	µg/m ³	CPCB Guidelines, Volume I.36/2012-13, Page No.35: 2013
Benzene (C ₆ H ₆)	1.64	5	µg/m ³	IS 5182 (Part II): 2006
Benzo (a) pyrene (BaP) Particulate Phase only	BLQ (LOQ:0.2)	1	ng/m ³	IS 5182 (Part 12): 2004
Arsenic (as As)	BLQ (LOQ:0.3)	6	ng/m ³	EPA/625/R-96/D10 a Compendium Method 10-3.1 & 3.4
Nickel (as Ni)	BLQ (LOQ:3)	20	ng/m ³	EPA/625/R-96/D10 a Compendium Method 10-3.1 & 3.2

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification

TWA : Time Weighted Average

: NAAQS (National Ambient Air Quality Standards (Industrial, Residential, Rural and other Area) specified as: 24 hours TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM₁₀, PM_{2.5}, Lead and Ammonia, 1 hour TWA in case of Carbon Monoxide and Ozone, Annual TWA in case of Benzene, Benzo (a) Pyrene, Arsenic and Nickel.

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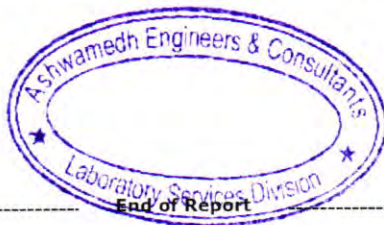




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Sampling done by	Laboratory	Sample Description / Type	Ambient Air
Sampling Location	Mr. Anil Nikam House	Date - Sampling	05/09/2022 to 06/09/2022
Sample Quantity / Packing	PM ₁₀ : Bap, Metals: 1 x 3 no. filter paper PM _{2.5} : 1 x 1 no. filter paper SO ₂ , NO ₂ : 30 ml x 6 no. plastic bottle each NH ₃ : 10 ml x 24 no. plastic bottle Ozone: 10 ml x 1 no. plastic bottle C ₆ H ₆ : 1 x 6 no. charcoal tubes CO: 1 x 1 no. bladder	Date - Receipt of Sample	06/09/2022
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Nitrogen Dioxide (NO ₂)	8.65	80	µg/m ³	IS 5182 (Part 6): 2006
Particulate Matter (size less than 10 µm) or PM ₁₀	54	100	µg/m ³	IS 5182 (Part 23): 2006
Particulate Matter (size less than 2.5 µm) or PM _{2.5}	15	60	µg/m ³	CPCB Guideline, Volume I, 36/2012-13, Page No.15: 2013
Ozone (O ₃)	BLQ (LOQ:19.6)	180	µg/m ³	Methods of Air Sampling and Analysis (AWMA), 3rd Ed., Method 411, Page no. 403 :1988
Lead (as Pb)	BLQ (LOQ:0.02)	1	µg/m ³	EPA/625/R-96/D10 a Compendium Method IO-3.1 & 3.2
Carbon Monoxide (CO)	1.21	4	mg/m ³	CPCB Guidelines, Volume II, 37/2012-13, Page no.16: 2013
Ammonia (NH ₃)	BLQ (LOQ:20)	400	µg/m ³	CPCB Guidelines, Volume I, 36/2012-13, Page No.35: 2013
Benzene (C ₆ H ₆)	1.40	5	µg/m ³	IS 5182 (Part II): 2006
Benzo (a) pyrene (BaP) Particulate Phase only	BLQ (LOQ:0.2)	1	ng/m ³	IS 5182 (Part I2): 2004
Arsenic (as As)	BLQ (LOQ:0.3)	6	ng/m ³	EPA/625/R-96/D10 a Compendium Method IO-3.1 & 3.4
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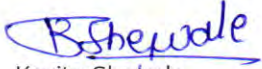
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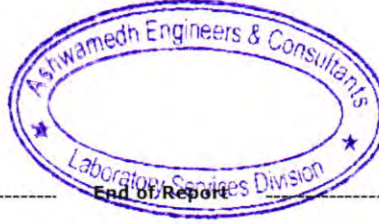
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