



HARYANA TEST HOUSE

& Consultancy Services



50-C, Sector-25 Part-II, HUDA, PANIPAT-132 103 (HR.)

Contact : (Off.) 86077-70160, 0180-4067223, (Env.)86077-70164, (BM) 86077-70166, (Food) 86077-70169

DOC No. HTH/QF/7.8 Web Site : www.haryanatesthouse.net, e-mail : haryanatesthousecs@gmail.com, info@haryanatesthouse.net



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TEST REPORT

Issued To: CITIZEN AUTO COMPONENTS PVT. LTD. E-599, 600 Phase-VIII, Focial Point, Distt. Ludhiana (PB)	Report No. : HTH/EP/240405044 ULR No. : TC781124100002814F Party's Ref No. : Nil Booking Date : 05/04/2024 Period of Testing : 05/04/2024 To 10/04/2024 Reporting Date : 10/04/2024
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Sample Description : Ambient Air Quality Monitoring

Type of Industry : Manufacturing of Auto Parts
 Date & time of sampling : 04/04/2024 (10:00 Hrs) to 05/04/2024 (10:00 Hrs)
 Sample Location : **At Main Gate**
 Instrument used : RDS Model APM- 460 BL (Sr. No. 2305 DTB 2018)
 Instrument Calibration Status : Calibrated (upto 19.12.2024)
 Purpose of analysis : Monitoring
 Sample collected/ supplied by : By our Lab. Representative

- A. Observations:**
1. Sampling flow rate (Avg.) : 1.24 m3/min
 2. Total volume of air sampled : 1776.67 m3
 3. Period of sampling : 24 Hrs

S.N.	Test Parameters	Units	Result	Standard Limits (NAAQS)	Test Method
Discipline - Chemical, Group - Atmospheric Pollution					
1	Particulate Matter (PM10)	µg/ m3	89.49	100 max	IS 5182 (Part-23) : 2006
2	Particulate Matter (PM 2.5)	µg/ m3	48.45	60 max	IS 5182 (Part-24) : 2019
3	Sulphur Dioxide (SO2)	µg/ m3	22.33	80 max	IS 5182 (Part-2) : 2001
4	Nitrogen Dioxide (NO2)	µg/ m3	37.60	80 max	IS 5182 (Part-6) : 2006
5	Ammonia (NH3)	µg/ m3	23.93	400 max	IS 5182 (Part-25) : 2018
6	Carbon Monoxide (CO)	mg/ m3	1.031	4 max	IS 5182 (Part-10) : 1999

End of Report

Remarks : Standard limits are as per CPCB notification Nov. 2009

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 10/04/24

HARYANA TEST HOUSE
 ADM. STAMP
 Basudev Singh
 T. M. (Chemical)

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TEST REPORT

Issued To: CITIZEN AUTO COMPONENTS PVT. LTD. E-599, 600 Phase-VIII, Focial Point, Distt. Ludhiana (PB) .	Report No. : HTH/EP/240405035 ULR No. : TC781124100002826F Party's Ref No. : Nil Booking Date : 05/04/2024 Period of Testing : 05/04/2024 To 10/04/2024 Reporting Date : 10/04/2024
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Sample Description : Indoor Air Quality

Type of Industry : Manufacturing of Autoparts
 Date & time of sampling : 04/04/2024 (09:46 Hrs to 17:46 Hrs)
 Sample Location : **Inside Shop Floor Section**
 Instrument used : Handy Sampler APM 821 (Sr. No. 835 DTB 2016)
 Instrument Calibration Status : Calibrated (upto 17.12.2024)
 Purpose of analysis : Monitoring
 Sample collected/ supplied by : By our Lab. Representative

A. Observations:

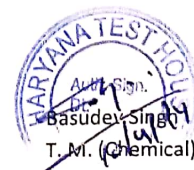
1. Sampling flow rate (Avg.) : 2.25 LPM
2. Total volume of air sampled : 1.080 m3
3. Period of sampling : 8 Hrs

S.N.	Test Parameters	Unit	Result	Requirement as per OSHA	Test Method
Discipline: Chemical, Group: Atmospheric Pollution					
1	Total Aerosols Mass	mg/m3	0.917	15 Max	NIOSH 500 : 1994
2	Sulphur Dioxide (SO2)	mg/m3	0.018	13 Max	ASTMD-2914 : 2015
3	Nitrogen Dioxide (NO2)	mg/m3	0.039	9 Max	NIOSH 6014 : 1994
4	Ammonia (NH3)	mg/m3	0.026	35 Max	NIOSH 6015 : 1994
5	Carbon Monoxide (CO)	mg/m3	0.687	55 Max	NIOSH 6604 :1996

End of Report

Remarks : Limit for Air Contaminants as per OSHA.

Signature
10/04/24



Page No.: 1 of 1

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TC-7811



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TEST REPORT

Issued To: CITIZEN AUTO COMPONENTS PVT. LTD. E-599, 600 Phase-VIII, Focial Point, Distt. Ludhiana (PB)	Report No. : HTH/EP/240405046 ULR No. : TC781124100002806F Party's Ref No. : Nil Booking Date : 05/04/2024 Period of Testing : 05/04/2024 To 10/04/2024 Reporting Date : 10/04/2024
Sample Description : Noise Level Monitoring-Work Place	

Type of Industry : Manufacturing of Autoparts
Sample Location : Shop Floor & Tool Room Area
Instrument used : Sound Level Meter (HTH/AP/12/SLM-01)
Instrument Calibration Status : Calibrated (upto 07.07.2024)
Date of measurement : 04/04/2024
Purpose of analysis : Monitoring
Sample collected/ supplied by : By our Lab. Representative

OBSERVATION

S.N.	Point of Measurement	I	II	III	IV	V	VI
Discipline - Chemical, Group - Atmospheric Pollution -							
1	Shop Floor & Tool Room Area	88.2	90.1	85.5	86.7	89.7	90.5

TEST RESULTS

S.N.	Point of Measurement	Noise Level (dB "A")			Standard Limits (dB "A")
		Lmin	Lmax	Leq	
1	Shop Floor & Tool Room Area	85.5	90.5	88.8	90 max.

End of Report

Remarks : Leq:- It is an energy mean of the noise level over a specified period
Standard limits as per OSHA, Standard Number : 1910.95

Reviewed by
[Signature]

HARYANA TEST HOUSE
[Signature]
Basudev Singh
T.M. (Chemical)

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Sample Description	: Stack Emission (DG 800 KVA)
Type of Industry	: Manufacturing of Autoparts
Name of Plant/ Section	: DG Section
Date of sampling	: 04/04/2024
Capacity of DG	: 800 KVA
Source of Emission	: Stack Attached to DG
Instrument used	: Stack Sampler APM 160 (Sr.No. 87 DTL 2016)
Instrument Calibration Status	: Calibrated (upto 17.12.2024)
Type of stack	: Metal
Type of Fuel used	: HSD
Stack height (from the ground level)	: 30 feet
Stack diameter (at the sampling point)	: 10 inch
Sample Location	: As Per Standard Norms
Purpose of sampling	: Monitoring
Sample collected by	: By our Lab. Representative

- A Observations**
- Stack gas temperature, °C : 292.0
 - Temperature at Metering point, °C : 33.0
 - Avg. stack gas velocity, m/sec : 15.38
 - Sampling flow rate, Lt./min. : 16.0
 - Period of sampling, Minutes : 30.0
 - Volumetric flow rate, Nm³/ Hr : 1421.90

B Results

S.N.	Test Parameters	Units	Result	Standard Limit	Test Method
Discipline: Chemical, Group: Atmospheric Pollution					
1	Particulate Matter (PM)	gm/kwh	0.15	0.20 Max	IS 11255 (Part-I) : 1985
2	Nitrogen Dioxide (NOx)	gm/kwh	0.90	--	HTH/QF/7.2/2/CH-02, SOP No-23
3	Carbon Monoxide (CO)	gm/kwh	0.23	3.50 Max	HTH/QF/7.2/2/CH-02, SOP No-23
4	Total Hydrocarbon (HC)	gm/kwh	0.04	--	IS 11255 : Part 15 : 2019
5	Nitrogen Dioxide + Total Hydrocarbon (NOx + HC)	gm/kwh	0.94	4.0 Max	By Calculation

End of Report

Remarks : Standard Limit as per MOEF Notification G.S.R 771 (E), Dated 11/12/2013.

Handwritten signature and date: 10/04/24

HARYANA TEST HOUSE
 Dr. Basudev Singh
 T. M. (Chemical)

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Sample Description : Drinking Water Sample Type of Industry : Manufacturing of Autoparts Date of sampling : 04/04/2024 Date of receipt of sample : 06/04/2024 Environmental Condition : Temp. 33°C & Humidity 25% Sampling Reference Protocol : IS 1622 : 1981	Sample Name : Drinking Water Sample Sample quantity : 2 Ltr. + 250 ml in sterilized bottle Sample Location : Ground Floor Purpose of analysis : Monitoring Sampling Done by : By our lab. Representative
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REFERENCE TO PROTOCOL : IS 10500:2012(Amend No. 4 Nov. 2021)

TEST RESULTS

S.N.	Parameter's	Unit's	Results	Acceptable Limit's	Permissible Limit's	Method of Analysis
.Discipline - Chemical , Group -Water						
Organoleptic and Physical Parameter's						
1	pH	--	7.93	6.5-8.5	No Relaxation	IS 3025 (P-11)-2022
2	Total Dissolved Solids (TDS)	mg/l	526.0	500 Max.	2000 Max.	IS 3025 (P-16)-2023
3	Total Hardness (as CaCO ₃)	mg/l	356.0	200 Max.	600 Max.	IS 3025 (P-21)2009
4	Calcium (as Ca)	mg/l	76.2	75.0 Max.	200.0 Max.	IS 3025 (P-40)1991
5	Magnesium (as Mg)	mg/l	40.42	30.0 Max.	100.0 Max.	IS 3025 (P-46)2023
6	Chloride (as Cl)	mg/l	68.98	250 Max.	1000 Max.	IS 3025 (P-32)1988
7	Sulphate (as SO ₄)	mg/l	29.8	200 Max.	400 Max.	IS 3025 (P-24)sec-1 :2022
8	Nitrate (as NO ₃)	mg/l	21.20	45.0 Max.	No Relaxation	IS 3025 (P-34):1988
9	Fluoride (as F)	mg/l	0.65	1.0 Max.	1.5 Max.	APHA-4500 F-
10	Total Alkalinity (as CaCO ₃)	mg/l	324.0	200 Max.	600 Max.	IS 3025 (P-23)2023
Discipline - Biological , Group - Water						
Bacteriological Requirements						
1	Coliform	Per 100 ml	Absent	Shall Not be Detectable	No Relaxation	IS:15185:2016
2	E.coli	Per 100 ml	Absent	Shall Not be Detectable	No Relaxation	IS:15185:2016

End of Report

Remarks : Analysed parameters of water sample confirms to IS 10500:2012 Amendment No. 4, Nov.2021 specification with respect to permissible limits for the above test parameters.

BLQ : Below limit of Quantification / LOQ : Limit of Quantification

Revised
15/04/24

Nee Jyoti Gupta
H.O.D. (Biological)

Ashish Sharma
G.M. (Tech.)

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