



Customer Details

Crystalline Environmental Services

Request No.	: WA-Q-O-2005-0169	Sample No.	: WA-S-O-2005-0680
Sampling Date/time	: 7/5/2020 , 09:30	Report Date.	: 10/5/2020
Analysis Start Date.	: 7/5/2020	Analysis End Date.	: 7/5/2020
Sample Location.	: ADGM Square, Al Mariyah Island Abu Dhabi	Sampled By	: Jyothish Krishnan
Sample Identification	: Tower 1 - Lobby Area	Sample Type	: Indoor Air Quality Monitoring

Parameters	Test Methods	Units	Results	Specification
CARBON DIOXIDE	OTM: SECTION III- CHAPTER-02	ppm	488	30000 (STEL)
CARBON MONOXIDE	OTM: SECTION III- CHAPTER-02	ppm	1.7	25(TWA)
FORMALDEHYDE	OTM: SECTION III- CHAPTER-02	ppm	ND	0.3 (STEL)
Humidity	BSEN 60079 - 29 - 2-2015	%	48	NA
OZONE	BSEN 60079-29-2:2015	ppm	ND	0.2 (TWA)
PARTICULATE MATTER (PM1.0)	ISO-21501-4:2018	µg/m3	1.24	NA
PARTICULATE MATTER (PM2.5).	ISO-21501-4:2018	µg/m3	2.77	NA
RSPM [PARTICULATE MATTER (PM10)]	ISO-21501-4:2018	µg/m3	5.88	NA
Temperature	BSEN 60079 - 29 - 2-2015	°C	24	NA
TOTAL SUSPENDED PARTICLES	ISO-21501-4:2018	µg/m3	10.26	NA
TVOC	OTM: SECTION III- CHAPTER-02	µg/m3	292	NA

Note : AD-OSHAD – Abu Dhabi Occupational Safety and Health System Framework Guideline version 3.0, July 2016

Remarks :CONCLUSION-As per the above observation we have found that there is no gaseous contamination exceeding the limit in all monitoring areas, everything under the prescribed limit as per the given standard guideline of AD-OSHAD. The Dust concentration is also under the limit as per the guidelines of given standards limit.

Analyst	Reviewed By	Method Variation
JK	NKS	None

Key Words :NA – Not Available in the OSHAD Guideline,ND-Not Detected.





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P.O. Box 115086, Musaffah M-34, Abu Dhabi, U.A.E.

Tel: +971 2 5503324, Fax: +971 2 5503387 **Test Report**



Testing - NAL 034

Report No. : WA-R-O-2005-0680

Signed for and on behalf of Wimpey Laboratories

Nishi Kumar Shukla



Nishi Kumar Shukla

Senior Environmental Chemist

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Test Report



Testing - NAL 034

Report No. WA-R-O-2005-0681



Customer Details

Crystalline Environmental Services

Request No. : WA-Q-O-2005-0169 Sample No. : WA-S-O-2005-0681
 Sampling Date/time : 7/5/2020 , 09:50 Report Date. : 10/5/2020
 Analysis Start Date. : 7/5/2020 Analysis End Date. : 7/5/2020
 Sample Location. : ADGM Square, Al Mariyah Island Abu Dhabi Sampled By : Jyothish Krishnan
 Sample Identification : Tower 1 - Level 7 Corridor Sample Type : Indoor Air Quality Monitoring

Parameters	Test Methods	Units	Results	Specification
CARBON DIOXIDE	OTM: SECTION III-CHAPTER-02	ppm	578	30000 (STEL)
CARBON MONOXIDE	OTM: SECTION III-CHAPTER-02	ppm	2.1	25(TWA)
FORMALDEHYDE	OTM: SECTION III-CHAPTER-02	ppm	ND	0.3 (STEL)
Humidity	BSEN 60079 - 29 - 2-2015	%	52.3	NA
OZONE	BSEN 60079-29-2:2015	ppm	ND	0.2 (TWA)
PARTICULATE MATTER (PM1.0))	ISO-21501-4:2018	µg/m3	0.32	NA
PARTICULATE MATTER (PM2.5).	ISO-21501-4:2018	µg/m3	1.93	NA
RSPM [PARTICULATE MATTER (PM10)]	ISO-21501-4:2018	µg/m3	12.22	NA
Temperature	BSEN 60079 - 29 - 2-2015	°C	23.6	NA
TOTAL SUSPENDED PARTICLES	ISO-21501-4:2018	µg/m3	25.34	NA
TVOC	OTM: SECTION III-CHAPTER-02	µg/m3	269	NA

Note : AD-OSHAD – Abu Dhabi Occupational Safety and Health System Framework Guideline version 3.0, July 2016

Remarks :CONCLUSION-As per the above observation we have found that there is no gaseous contamination exceeding the limit in all monitoring areas, everything under the prescribed limit as per the given standard guideline of AD-OSHAD. The Dust concentration is also under the limit as per the guidelines of given standards limit.

Analyst	Reviewed By	Method Variation
JK	NKS	None

Key Words :NA – Not Available in the OSHAD Guideline,ND-Not Detected.





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Testing - NAL 034

Report No. : WA-R-O-2005-0681

Signed for and on behalf of Wimpey Laboratories

Nishi Kumar Shukla



Nishi Kumar Shukla

Senior Environmental Chemist

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Customer Details

Crystalline Environmental Services

Request No.	: WA-Q-O-2005-0169	Sample No.	: WA-S-O-2005-0682
Sampling Date/time	: 7/5/2020 , 10:15	Report Date.	: 10/5/2020
Analysis Start Date.	: 7/5/2020	Analysis End Date.	: 7/5/2020
Sample Location.	: ADGM Square, Al Mariyah Island Abu Dhabi	Sampled By	: Jyothish Krishnan
Sample Identification	: Tower 1 - Level 16 Office Reception	Sample Type	: Indoor Air Quality Monitoring

Parameters	Test Methods	Units	Results	Specification
CARBON DIOXIDE	OTM: SECTION III- CHAPTER-02	ppm	584	30000 (STEL)
CARBON MONOXIDE	OTM: SECTION III- CHAPTER-02	ppm	1.6	25(TWA)
FORMALDEHYDE	OTM: SECTION III- CHAPTER-02	ppm	ND	0.3 (STEL)
Humidity	BSEN 60079 - 29 - 2-2015	%	49.5	NA
OZONE	BSEN 60079-29-2:2015	ppm	ND	0.2 (TWA)
PARTICULATE MATTER (PM1.0))	ISO-21501-4:2018	µg/m3	2.12	NA
PARTICULATE MATTER (PM2.5).	ISO-21501-4:2018	µg/m3	6.64	NA
RSPM [PARTICULATE MATTER (PM10)]	ISO-21501-4:2018	µg/m3	19.34	NA
Temperature	BSEN 60079 - 29 - 2-2015	°C	22.8	NA
TOTAL SUSPENDED PARTICLES	ISO-21501-4:2018	µg/m3	42.62	NA
TVOC	OTM: SECTION III- CHAPTER-02	µg/m3	267	NA

Note : AD-OSHAD – Abu Dhabi Occupational Safety and Health System Framework Guideline version 3.0, July 2016

Remarks :CONCLUSION-As per the above observation we have found that there is no gaseous contamination exceeding the limit in all monitoring areas, everything under the prescribed limit as per the given standard guideline of AD-OSHAD. The Dust concentration is also under the limit as per the guidelines of given standards limit.

Analyst	Reviewed By	Method Variation
JK	NKS	None

Key Words :NA – Not Available in the OSHAD Guideline,ND-Not Detected.





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Testing - NAL 034

Report No. : WA-R-O-2005-0682

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Senior Environmental Chemist

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Test Report



Testing - NAL 034

Report No. WA-R-O-2005-0683



Customer Details

Crystalline Environmental Services

Request No. : WA-Q-O-2005-0169	Sample No. : WA-S-O-2005-0683
Sampling Date/time : 7/5/2020 , 10:30	Report Date. : 10/5/2020
Analysis Start Date. : 7/5/2020	Analysis End Date. : 7/5/2020
Sample Location. : ADGM Square, Al Mariyah Island Abu Dhabi	Sampled By : Jyothish Krishnan
Sample Identification : Tower 1 - Level 20 Lift Lobby	Sample Type : Indoor Air Quality Monitoring

Parameters	Test Methods	Units	Results	Specification
CARBON DIOXIDE	OTM: SECTION III-CHAPTER-02	ppm	693	30000 (STEL)
CARBON MONOXIDE	OTM: SECTION III-CHAPTER-02	ppm	2.1	25(TWA)
FORMALDEHYDE	OTM: SECTION III-CHAPTER-02	ppm	ND	0.3 (STEL)
Humidity	BSEN 60079 - 29 - 2-2015	%	47.5	NA
OZONE	BSEN 60079-29-2:2015	ppm	ND	0.2 (TWA)
PARTICULATE MATTER (PM1.0))	ISO-21501-4:2018	µg/m3	2.11	NA
PARTICULATE MATTER (PM2.5).	ISO-21501-4:2018	µg/m3	8.22	NA
RSPM [PARTICULATE MATTER (PM10)]	ISO-21501-4:2018	µg/m3	18.42	NA
Temperature	BSEN 60079 - 29 - 2-2015	°C	24.2	NA
TOTAL SUSPENDED PARTICLES	ISO-21501-4:2018	µg/m3	36.42	NA
TVOC	OTM: SECTION III-CHAPTER-02	µg/m3	288	NA

Note : AD-OSHAD – Abu Dhabi Occupational Safety and Health System Framework Guideline version 3.0, July 2016

Remarks :CONCLUSION-As per the above observation we have found that there is no gaseous contamination exceeding the limit in all monitoring areas, everything under the prescribed limit as per the given standard guideline of AD-OSHAD. The Dust concentration is also under the limit as per the guidelines of given standards limit.

Analyst	Reviewed By	Method Variation
JK	NKS	None

Key Words :NA – Not Available in the OSHAD Guideline





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Testing - NAL 034

Report No. : WA-R-O-2005-0683

Signed for and on behalf of Wimpey Laboratories

Nishi Kumar Shukla



Nishi Kumar Shukla

Senior Environmental Chemist

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Customer Details

Crystalline Environmental Services

Request No.	: WA-Q-O-2005-0169	Sample No.	: WA-S-O-2005-0684
Sampling Date/time	: 7/5/2020 , 10:45	Report Date.	: 10/5/2020
Analysis Start Date.	: 7/5/2020	Analysis End Date.	: 7/5/2020
Sample Location.	: ADGM Square, Al Mariyah Island Abu Dhabi	Sampled By	: Jyothish Krishnan
Sample Identification	: Tower 1 - Level 25 Corridor	Sample Type	: Indoor Air Quality Monitoring

Parameters	Test Methods	Units	Results	Specification
CARBON DIOXIDE	OTM: SECTION III- CHAPTER-02	ppm	672	30000 (STEL)
CARBON MONOXIDE	OTM: SECTION III- CHAPTER-02	ppm	1.8	25(TWA)
FORMALDEHYDE	OTM: SECTION III- CHAPTER-02	ppm	ND	0.3 (STEL)
Humidity	BSEN 60079 - 29 - 2-2015	%	54.2	NA
OZONE	BSEN 60079-29-2:2015	ppm	ND	0.2 (TWA)
PARTICULATE MATTER (PM1.0))	ISO-21501-4:2018	µg/m3	6.92	NA
PARTICULATE MATTER (PM2.5).	ISO-21501-4:2018	µg/m3	17.61	NA
RSPM [PARTICULATE MATTER (PM10)]	ISO-21501-4:2018	µg/m3	57.53	NA
Temperature	BSEN 60079 - 29 - 2-2015	°C	23.8	NA
TOTAL SUSPENDED PARTICLES	ISO-21501-4:2018	µg/m3	67.82	NA
TVOC	OTM: SECTION III- CHAPTER-02	µg/m3	288	NA

Note : D-OSHAD – Abu Dhabi Occupational Safety and Health System Framework Guideline version 3.0, July 2016

Remarks :CONCLUSION-As per the above observation we have found that there is no gaseous contamination exceeding the limit in all monitoring areas, everything under the prescribed limit as per the given standard guideline of AD-OSHAD. The Dust concentration is also under the limit as per the guidelines of given standards limit.

Analyst	Reviewed By	Method Variation
JK	NKS	None

Key Words :NA – Not Available in the OSHAD Guideline,ND-Not Detected.





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Test Report



Testing - NAL 034

Report No. : WA-R-O-2005-0684

Signed for and on behalf of Wimpey Laboratories

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Senior Environmental Chemist

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Customer Details

Crystalline Environmental Services

Request No.	: WA-Q-O-2005-0169	Sample No.	: WA-S-O-2005-0685
Sampling Date/time	: 7/5/2020 , 11:00	Report Date.	: 10/5/2020
Analysis Start Date.	: 7/5/2020	Analysis End Date.	: 7/5/2020
Sample Location.	: ADGM Square, Al Mariyah Island Abu Dhabi	Sampled By	: Jyothish Krishnan
Sample Identification	: Tower 2 - Lobby Area	Sample Type	: Indoor Air Quality Monitoring

Parameters	Test Methods	Units	Results	Specification
CARBON DIOXIDE	OTM: SECTION III- CHAPTER-02	ppm	580	30000 (STEL)
CARBON MONOXIDE	OTM: SECTION III- CHAPTER-02	ppm	1.7	25(TWA)
FORMALDEHYDE	OTM: SECTION III- CHAPTER-02	ppm	ND	0.3 (STEL)
Humidity	BSEN 60079 - 29 - 2-2015	%	55.3	NA
OZONE	BSEN 60079-29-2:2015	ppm	ND	0.2 (TWA)
PARTICULATE MATTER (PM1.0))	ISO-21501-4:2018	µg/m3	2.83	NA
PARTICULATE MATTER (PM2.5).	ISO-21501-4:2018	µg/m3	4.36	NA
RSPM [PARTICULATE MATTER (PM10)]	ISO-21501-4:2018	µg/m3	18.28	NA
Temperature	BSEN 60079 - 29 - 2-2015	°C	23.2	NA
TOTAL SUSPENDED PARTICLES	ISO-21501-4:2018	µg/m3	43.52	NA
TVOC	OTM: SECTION III- CHAPTER-02	µg/m3	260	NA

Note : AD-OSHAD – Abu Dhabi Occupational Safety and Health System Framework Guideline version 3.0, July 2016

Remarks :CONCLUSION-As per the above observation we have found that there is no gaseous contamination exceeding the limit in all monitoring areas, everything under the prescribed limit as per the given standard guideline of AD-OSHAD. The Dust concentration is also under the limit as per the guidelines of given standards limit.

Analyst	Reviewed By	Method Variation
JK	NKS	None

Key Words :NA – Not Available in the OSHAD Guideline,ND-Not Detected.





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Test Report



Testing - NAL 034

Report No. : WA-R-O-2005-0685

Signed for and on behalf of Wimpey Laboratories

Nishi Kumar Shukla



Nishi Kumar Shukla

Senior Environmental Chemist

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Customer Details

Crystalline Environmental Services

Request No.	: WA-Q-O-2005-0169	Sample No.	: WA-S-O-2005-0686
Sampling Date/time	: 7/5/2020 , 11:15	Report Date.	: 10/5/2020
Analysis Start Date.	: 7/5/2020	Analysis End Date.	: 7/5/2020
Sample Location.	: ADGM Square, Al Mariyah Island Abu Dhabi	Sampled By	: Jyothish Krishnan
Sample Identification	: Tower 2 - Level 6 Corridor Area	Sample Type	: Indoor Air Quality Monitoring

Parameters	Test Methods	Units	Results	Specification
CARBON DIOXIDE	OTM: SECTION III- CHAPTER-02	ppm	592	30000 (STEL)
CARBON MONOXIDE	OTM: SECTION III- CHAPTER-02	ppm	3.2	25(TWA)
FORMALDEHYDE	OTM: SECTION III- CHAPTER-02	ppm	ND	0.3 (STEL)
Humidity	BSEN 60079 - 29 - 2-2015	%	48.3	NA
OZONE	BSEN 60079-29-2:2015	ppm	ND	0.2 (TWA)
PARTICULATE MATTER (PM1.0))	ISO-21501-4:2018	µg/m3	2.81	NA
PARTICULATE MATTER (PM2.5).	ISO-21501-4:2018	µg/m3	7.26	NA
RSPM [PARTICULATE MATTER (PM10)]	ISO-21501-4:2018	µg/m3	66.38	NA
Temperature	BSEN 60079 - 29 - 2-2015	°C	27.3	NA
TOTAL SUSPENDED PARTICLES	ISO-21501-4:2018	µg/m3	95.35	NA
TVOC	OTM: SECTION III- CHAPTER-02	µg/m3	280	NA

Note : AD-OSHAD – Abu Dhabi Occupational Safety and Health System Framework Guideline version 3.0, July 2016

Remarks :CONCLUSION-As per the above observation we have found that there is no gaseous contamination exceeding the limit in all monitoring areas, everything under the prescribed limit as per the given standard guideline of AD-OSHAD. The Dust concentration is also under the limit as per the guidelines of given standards limit.

CONCLUSION-As per the above observation we have found that there is no gaseous contamination exceeding the limit in all monitoring areas, everything under the prescribed limit as

Analyst	Reviewed By	Method Variation
JK	NKS	None

Key Words :NA – Not Available in the OSHAD Guideline





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Test Report



Testing - NAL 034

Report No. : WA-R-O-2005-0686

Signed for and on behalf of Wimpey Laboratories

Nishi Kumar Shukla



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Senior Environmental Chemist

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Customer Details

Crystalline Environmental Services

Request No.	: WA-Q-O-2005-0169	Sample No.	: WA-S-O-2005-0687
Sampling Date/time	: 7/5/2020 , 11:30	Report Date.	: 10/5/2020
Analysis Start Date.	: 7/5/2020	Analysis End Date.	: 7/5/2020
Sample Location.	: ADGM Square, Al Mariyah Island Abu Dhabi	Sampled By	: Jyothish Krishnan
Sample Identification	: Tower 2 - Level 10 Lift lobby	Sample Type	: Indoor Air Quality Monitoring

Parameters	Test Methods	Units	Results	Specification
CARBON DIOXIDE	OTM: SECTION III- CHAPTER-02	ppm	786	30000 (STEL)
CARBON MONOXIDE	OTM: SECTION III- CHAPTER-02	ppm	2.7	25(TWA)
FORMALDEHYDE	OTM: SECTION III- CHAPTER-02	ppm	ND	0.3 (STEL)
Humidity	BSEN 60079 - 29 - 2-2015	%	45.3	NA
OZONE	BSEN 60079-29-2:2015	ppm	ND	0.2 (TWA)
PARTICULATE MATTER (PM1.0))	ISO-21501-4:2018	µg/m3	3.28	NA
PARTICULATE MATTER (PM2.5).	ISO-21501-4:2018	µg/m3	9.66	NA
RSPM [PARTICULATE MATTER (PM10)]	ISO-21501-4:2018	µg/m3	66.38	NA
Temperature	BSEN 60079 - 29 - 2-2015	°C	28.2	NA
TOTAL SUSPENDED PARTICLES	ISO-21501-4:2018	µg/m3	92.84	NA
TVOC	OTM: SECTION III- CHAPTER-02	µg/m3	283	NA

Note : AD-OSHAD – Abu Dhabi Occupational Safety and Health System Framework Guideline version 3.0, July 2016

Remarks :CONCLUSION-As per the above observation we have found that there is no gaseous contamination exceeding the limit in all monitoring areas, everything under the prescribed limit as per the given standard guideline of AD-OSHAD. The Dust concentration is also under the limit as per the guidelines of given standards limit.

Analyst	Reviewed By	Method Variation
JK	NKS	None

Key Words :NA – Not Available in the OSHAD Guideline,ND-Not Detected.





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Test Report



Testing - NAL 034

Report No. : WA-R-O-2005-0687

Signed for and on behalf of Wimpey Laboratories

Nishi Kumar Shukla



Nishi Kumar Shukla

Senior Environmental Chemist

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Customer Details

Crystalline Environmental Services

Request No.	: WA-Q-O-2005-0169	Sample No.	: WA-S-O-2005-0688
Sampling Date/time	: 7/5/2020 , 11:50	Report Date.	: 10/5/2020
Analysis Start Date.	: 7/5/2020	Analysis End Date.	: 7/5/2020
Sample Location.	: ADGM Square, Al Mariyah Island Abu Dhabi	Sampled By	: Jyothish Krishnan
Sample Identification	: Tower 2 - Level 17 Corridor Area	Sample Type	: Indoor Air Quality Monitoring

Parameters	Test Methods	Units	Results	Specification
CARBON DIOXIDE	OTM: SECTION III- CHAPTER-02	ppm	718	30000 (STEL)
CARBON MONOXIDE	OTM: SECTION III- CHAPTER-02	ppm	2.3	25(TWA)
FORMALDEHYDE	OTM: SECTION III- CHAPTER-02	ppm	ND	0.3 (STEL)
Humidity	BSEN 60079 - 29 - 2-2015	%	42.3	NA
OZONE	BSEN 60079-29-2:2015	ppm	ND	0.2 (TWA)
PARTICULATE MATTER (PM1.0)	ISO-21501-4:2018	µg/m3	1.12	NA
PARTICULATE MATTER (PM2.5).	ISO-21501-4:2018	µg/m3	8.86	NA
RSPM [PARTICULATE MATTER (PM10)]	ISO-21501-4:2018	µg/m3	81.32	NA
Temperature	BSEN 60079 - 29 - 2-2015	°C	29.1	NA
TOTAL SUSPENDED PARTICLES	ISO-21501-4:2018	µg/m3	97.26	NA
TVOC	OTM: SECTION III- CHAPTER-02	µg/m3	288	NA

Note : AD-OSHAD – Abu Dhabi Occupational Safety and Health System Framework Guideline version 3.0, July 2016

Remarks :CONCLUSION-As per the above observation we have found that there is no gaseous contamination exceeding the limit in all monitoring areas, everything under the prescribed limit as per the given standard guideline of AD-OSHAD. The Dust concentration is also under the limit as per the guidelines of given standards limit.

Analyst	Reviewed By	Method Variation
JK	NKS	None

Key Words :NA – Not Available in the OSHAD Guideline,ND-Not Detected.





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Test Report



Testing - NAL 034

Report No. : WA-R-O-2005-0688

Signed for and on behalf of Wimpey Laboratories

Nishi Shukla



Nishi Kumar Shukla

Senior Environmental Chemist

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Customer Details

Crystalline Environmental Services

Request No.	: WA-Q-O-2005-0169	Sample No.	: WA-S-O-2005-0689
Sampling Date/time	: 7/5/2020 , 12:10	Report Date.	: 10/5/2020
Analysis Start Date.	: 7/5/2020	Analysis End Date.	: 7/5/2020
Sample Location.	: ADGM Square, Al Mariyah Island Abu Dhabi	Sampled By	: Jyothish Krishnan
Sample Identification	: Tower 2 - Level 23 Corridor Area	Sample Type	: Indoor Air Quality Monitoring

Parameters	Test Methods	Units	Results	Specification
CARBON DIOXIDE	OTM: SECTION III- CHAPTER-02	ppm	688	30000 (STEL)
CARBON MONOXIDE	OTM: SECTION III- CHAPTER-02	ppm	2.5	25(TWA)
FORMALDEHYDE	OTM: SECTION III- CHAPTER-02	ppm	ND	0.3 (STEL)
Humidity	BSEN 60079 - 29 - 2-2015	%	45.3	NA
OZONE	BSEN 60079-29-2:2015	ppm	ND	0.2 (TWA)
PARTICULATE MATTER (PM1.0))	ISO-21501-4:2018	µg/m3	2.63	NA
PARTICULATE MATTER (PM2.5).	ISO-21501-4:2018	µg/m3	12.82	NA
RSPM [PARTICULATE MATTER (PM10)]	ISO-21501-4:2018	µg/m3	82.36	NA
Temperature	BSEN 60079 - 29 - 2-2015	°C	28.2	NA
TOTAL SUSPENDED PARTICLES	ISO-21501-4:2018	µg/m3	110.34	NA
TVOC	OTM: SECTION III- CHAPTER-02	µg/m3	296	NA

Note : AD-OSHAD – Abu Dhabi Occupational Safety and Health System Framework Guideline version 3.0, July 2016

Remarks :CONCLUSION-As per the above observation we have found that there is no gaseous contamination exceeding the limit in all monitoring areas, everything under the prescribed limit as per the given standard guideline of AD-OSHAD. The Dust concentration is also under the limit as per the guidelines of given standards limit.

Analyst	Reviewed By	Method Variation
JK	NKS	None

Key Words :NA – Not Available in the OSHAD Guideline,ND-Not Detected





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Test Report



Testing - NAL 034

Report No. : WA-R-O-2005-0689

Signed for and on behalf of Wimpey Laboratories

Nishi Kumar Shukla



Nishi Kumar Shukla

Senior Environmental Chemist

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Customer Details

Crystalline Environmental Services

Request No.	: WA-Q-O-2005-0169	Sample No.	: WA-S-O-2005-0690
Sampling Date/time	: 7/5/2020 , 12:30	Report Date.	: 10/5/2020
Analysis Start Date.	: 7/5/2020	Analysis End Date.	: 7/5/2020
Sample Location.	: ADGM Square, Al Mariyah Island Abu Dhabi	Sampled By	: Jyothish Krishnan
Sample Identification	: Tower 3 - Lobby Area	Sample Type	: Indoor Air Quality Monitoring

Parameters	Test Methods	Units	Results	Specification
CARBON DIOXIDE	OTM: SECTION III- CHAPTER-02	ppm	512	30000 (STEL)
CARBON MONOXIDE	OTM: SECTION III- CHAPTER-02	ppm	1.3	25(TWA)
FORMALDEHYDE	OTM: SECTION III- CHAPTER-02	ppm	ND	0.3 (STEL)
Humidity	BSEN 60079 - 29 - 2-2015	%	50.2	NA
OZONE	BSEN 60079-29-2:2015	ppm	ND	0.2 (TWA)
PARTICULATE MATTER (PM1.0))	ISO-21501-4:2018	µg/m3	2.12	NA
PARTICULATE MATTER (PM2.5).	ISO-21501-4:2018	µg/m3	8.63	NA
RSPM [PARTICULATE MATTER (PM10)]	ISO-21501-4:2018	µg/m3	16.32	NA
Temperature	BSEN 60079 - 29 - 2-2015	°C	24.2	NA
TOTAL SUSPENDED PARTICLES	ISO-21501-4:2018	µg/m3	36.34	NA
TVOC	OTM: SECTION III- CHAPTER-02	µg/m3	284	NA

Note : AD-OSHAD – Abu Dhabi Occupational Safety and Health System Framework Guideline version 3.0, July 2016

Remarks :CONCLUSION-As per the above observation we have found that there is no gaseous contamination exceeding the limit in all monitoring areas, everything under the prescribed limit as per the given standard guideline of AD-OSHAD. The Dust concentration is also under the limit as per the guidelines of given standards limit.

Analyst	Reviewed By	Method Variation
JK	NKS	None

Key Words :NA – Not Available in the OSHAD Guideline





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Test Report



Testing - NAL 034

Report No. : WA-R-O-2005-0690

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Customer Details

Crystalline Environmental Services

Request No.	: WA-Q-O-2005-0169	Sample No.	: WA-S-O-2005-0691
Sampling Date/time	: 7/5/2020 , 12:50	Report Date.	: 10/5/2020
Analysis Start Date.	: 7/5/2020	Analysis End Date.	: 7/5/2020
Sample Location.	: ADGM Square, Al Mariyah Island Abu Dhabi	Sampled By	: Jyothish Krishnan
Sample Identification	: Tower 3 - Level 5 Lift Lobby	Sample Type	: Indoor Air Quality Monitoring

Parameters	Test Methods	Units	Results	Specification
CARBON DIOXIDE	OTM: SECTION III- CHAPTER-02	ppm	710	30000 (STEL)
CARBON MONOXIDE	OTM: SECTION III- CHAPTER-02	ppm	2.7	25(TWA)
FORMALDEHYDE	OTM: SECTION III- CHAPTER-02	ppm	ND	0.3 (STEL)
Humidity	BSEN 60079 - 29 - 2-2015	%	48.3	NA
OZONE	BSEN 60079-29-2:2015	ppm	ND	0.2 (TWA)
PARTICULATE MATTER (PM1.0)	ISO-21501-4:2018	µg/m3	1.12	NA
PARTICULATE MATTER (PM2.5).	ISO-21501-4:2018	µg/m3	12.92	NA
RSPM [PARTICULATE MATTER (PM10)]	ISO-21501-4:2018	µg/m3	40.26	NA
Temperature	BSEN 60079 - 29 - 2-2015	°C	25.2	NA
TOTAL SUSPENDED PARTICLES	ISO-21501-4:2018	µg/m3	82.3	NA
TVOC	OTM: SECTION III- CHAPTER-02	µg/m3	288	NA

Note : AD-OSHAD – Abu Dhabi Occupational Safety and Health System Framework Guideline version 3.0, July 2016

Remarks :CONCLUSION-As per the above observation we have found that there is no gaseous contamination exceeding the limit in all monitoring areas, everything under the prescribed limit as per the given standard guideline of AD-OSHAD. The Dust concentration is also under the limit as per the guidelines of given standards limit.

Analyst	Reviewed By	Method Variation
JK	NKS	None

Key Words :NA – Not Available in the OSHAD Guideline





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Test Report



Testing - NAL 034

Report No. : WA-R-O-2005-0691

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Customer Details

Crystalline Environmental Services

Report No. WA-R-O-2005-0692



Request No. : WA-Q-O-2005-0169	Sample No. : WA-S-O-2005-0692
Sampling Date/time : 7/5/2020 , 13:10	Report Date. : 10/5/2020
Analysis Start Date. : 7/5/2020	Analysis End Date. : 7/5/2020
Sample Location. : ADGM Square, Al Mariyah Island Abu Dhabi	Sampled By : Jyothish Krishnan
Sample Identification : Tower 3 - Level 12 Corridor	Sample Type : Indoor Air Quality Monitoring

Parameters	Test Methods	Units	Results	Specification
CARBON DIOXIDE	OTM: SECTION III- CHAPTER-02	ppm	512	30000 (STEL)
CARBON MONOXIDE	OTM: SECTION III- CHAPTER-02	ppm	2.2	25(TWA)
FORMALDEHYDE	OTM: SECTION III- CHAPTER-02	ppm	ND	0.3 (STEL)
Humidity	BSEN 60079 - 29 - 2-2015	%	52.5	NA
OZONE	BSEN 60079-29-2:2015	ppm	ND	0.2 (TWA)
PARTICULATE MATTER (PM1.0)	ISO-21501-4:2018	µg/m3	3.26	NA
PARTICULATE MATTER (PM2.5).	ISO-21501-4:2018	µg/m3	8.64	NA
RSPM [PARTICULATE MATTER (PM10)]	ISO-21501-4:2018	µg/m3	18.23	NA
Temperature	BSEN 60079 - 29 - 2-2015	°C	23.6	NA
TOTAL SUSPENDED PARTICLES	ISO-21501-4:2018	µg/m3	35.26	NA
TVOC	OTM: SECTION III- CHAPTER-02	µg/m3	272	NA

Note : AD-OSHAD – Abu Dhabi Occupational Safety and Health System Framework Guideline version 3.0, July 2016

Remarks :CONCLUSION-As per the above observation we have found that there is no gaseous contamination exceeding the limit in all monitoring areas, everything under the prescribed limit as per the given standard guideline of AD-OSHAD. The Dust concentration is also under the limit as per the guidelines of given standards limit.

Analyst	Reviewed By	Method Variation
JK	NKS	None

Key Words :NA – Not Available in the OSHAD Guideline,ND-Not Detected.





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Test Report



Testing - NAL 034

Report No. : WA-R-O-2005-0692

Signed for and on behalf of Wimpey Laboratories

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Customer Details

Crystalline Environmental Services

Request No.	: WA-Q-O-2005-0169	Sample No.	: WA-S-O-2005-0693
Sampling Date/time	: 7/5/2020 , 13:30	Report Date.	: 10/5/2020
Analysis Start Date.	: 7/5/2020	Analysis End Date.	: 7/5/2020
Sample Location.	: ADGM Square, Al Mariyah Island Abu Dhabi	Sampled By	: Jyothish Krishnan
Sample Identification	: Tower 3 - Level 20 ADGM Academy Reception	Sample Type	: Indoor Air Quality Monitoring

Parameters	Test Methods	Units	Results	Specification
CARBON DIOXIDE	OTM: SECTION III- CHAPTER-02	ppm	612	30000 (STEL)
CARBON MONOXIDE	OTM: SECTION III- CHAPTER-02	ppm	1.8	25(TWA)
FORMALDEHYDE	OTM: SECTION III- CHAPTER-02	ppm	ND	0.3 (STEL)
Humidity	BSEN 60079 - 29 - 2-2015	%	53.8	NA
OZONE	BSEN 60079-29-2:2015	ppm	ND	0.2 (TWA)
PARTICULATE MATTER (PM1.0)	ISO-21501-4:2018	µg/m3	1.32	NA
PARTICULATE MATTER (PM2.5).	ISO-21501-4:2018	µg/m3	5.36	NA
RSPM [PARTICULATE MATTER (PM10)]	ISO-21501-4:2018	µg/m3	18.38	NA
Temperature	BSEN 60079 - 29 - 2-2015	°C	24.3	NA
TOTAL SUSPENDED PARTICLES	ISO-21501-4:2018	µg/m3	25.72	NA
TVOC	OTM: SECTION III- CHAPTER-02	µg/m3	266	NA

Note : AD-OSHAD – Abu Dhabi Occupational Safety and Health System Framework Guideline version 3.0, July 2016

Remarks :CONCLUSION-As per the above observation we have found that there is no gaseous contamination exceeding the limit in all monitoring areas, everything under the prescribed limit as per the given standard guideline of AD-OSHAD. The Dust concentration is also under the limit as per the guidelines of given standards limit.

Analyst	Reviewed By	Method Variation
JK	NKS	None

Key Words :NA – Not Available in the OSHAD Guideline





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Test Report



Testing - NAL 034

Report No. : WA-R-O-2005-0693

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Customer Details

Crystalline Environmental Services

Request No.	: WA-Q-O-2005-0169	Sample No.	: WA-S-O-2005-0694
Sampling Date/time	: 7/5/2020 , 13:45	Report Date.	: 10/5/2020
Analysis Start Date.	: 7/5/2020	Analysis End Date.	: 7/5/2020
Sample Location.	: ADGM Square, Al Mariyah Island Abu Dhabi	Sampled By	: Jyothish Krishnan
Sample Identification	: Tower 3 - Level 27 Lift Lobby	Sample Type	: Indoor Air Quality Monitoring

Parameters	Test Methods	Units	Results	Specification
CARBON DIOXIDE	OTM: SECTION III- CHAPTER-02	ppm	590	30000 (STEL)
CARBON MONOXIDE	OTM: SECTION III- CHAPTER-02	ppm	1.7	25(TWA)
FORMALDEHYDE	OTM: SECTION III- CHAPTER-02	ppm	ND	0.3 (STEL)
Humidity	BSEN 60079 - 29 - 2-2015	%	54.5	NA
OZONE	BSEN 60079-29-2:2015	ppm	ND	0.2 (TWA)
PARTICULATE MATTER (PM1.0))	ISO-21501-4:2018	µg/m3	2.16	NA
PARTICULATE MATTER (PM2.5).	ISO-21501-4:2018	µg/m3	6.27	NA
RSPM [PARTICULATE MATTER (PM10)]	ISO-21501-4:2018	µg/m3	13.26	NA
Temperature	BSEN 60079 - 29 - 2-2015	°C	23.8	NA
TOTAL SUSPENDED PARTICLES	ISO-21501-4:2018	µg/m3	21.72	NA
TVOC	OTM: SECTION III- CHAPTER-02	µg/m3	263	NA

Note : AD-OSHAD – Abu Dhabi Occupational Safety and Health System Framework Guideline version 3.0, July 2016

Remarks :CONCLUSION-As per the above observation we have found that there is no gaseous contamination exceeding the limit in all monitoring areas, everything under the prescribed limit as per the given standard guideline of AD-OSHAD. The Dust concentration is also under the limit as per the guidelines of given standards limit.

Analyst	Reviewed By	Method Variation
JK	NKS	None

Key Words :NA – Not Available in the OSHAD Guideline





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Test Report



Testing - NAL 034

Report No. : WA-R-O-2005-0694

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Customer Details

Crystalline Environmental Services

Report No. WA-R-O-2005-0695



Request No. : WA-Q-O-2005-0169	Sample No. : WA-S-O-2005-0695
Sampling Date/time : 7/5/2020 , 14:10	Report Date. : 10/5/2020
Analysis Start Date. : 7/5/2020	Analysis End Date. : 7/5/2020
Sample Location. : ADGM Square, Al Mariyah Island Abu Dhabi	Sampled By : Jyothish Krishnan
Sample Identification : Tower 4 - Lobby Area	Sample Type : Indoor Air Quality Monitoring

Parameters	Test Methods	Units	Results	Specification
CARBON DIOXIDE	OTM: SECTION III- CHAPTER-02	ppm	553	30000 (STEL)
CARBON MONOXIDE	OTM: SECTION III- CHAPTER-02	ppm	1.6	25(TWA)
FORMALDEHYDE	OTM: SECTION III- CHAPTER-02	ppm	ND	0.3 (STEL)
Humidity	BSEN 60079 - 29 - 2-2015	%	52.6	NA
OZONE	BSEN 60079-29-2:2015	ppm	ND	0.2 (TWA)
PARTICULATE MATTER (PM1.0))	ISO-21501-4:2018	µg/m3	1.82	NA
PARTICULATE MATTER (PM2.5).	ISO-21501-4:2018	µg/m3	7.26	NA
RSPM [PARTICULATE MATTER (PM10)]	ISO-21501-4:2018	µg/m3	35.32	NA
Temperature	BSEN 60079 - 29 - 2-2015	°C	23.8	NA
TOTAL SUSPENDED PARTICLES	ISO-21501-4:2018	µg/m3	58.43	NA
TVOC	OTM: SECTION III- CHAPTER-02	µg/m3	253	NA

Note : AD-OSHAD – Abu Dhabi Occupational Safety and Health System Framework Guideline version 3.0, July 2016

Remarks :CONCLUSION-As per the above observation we have found that there is no gaseous contamination exceeding the limit in all monitoring areas, everything under the prescribed limit as per the given standard guideline of AD-OSHAD. The Dust concentration is also under the limit as per the guidelines of given standards limit.

Analyst	Reviewed By	Method Variation
JK	NKS	None

Key Words :NA – Not Available in the OSHAD Guideline,ND-Not Detected.





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Test Report



Testing - NAL 034

Report No. : WA-R-O-2005-0695

Signed for and on behalf of Wimpey Laboratories

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Customer Details

Crystalline Environmental Services

Request No.	: WA-Q-O-2005-0169	Sample No.	: WA-S-O-2005-0696
Sampling Date/time	: 7/5/2020 , 14:30	Report Date.	: 10/5/2020
Analysis Start Date.	: 7/5/2020	Analysis End Date.	: 7/5/2020
Sample Location.	: ADGM Square, Al Mariyah Island Abu Dhabi	Sampled By	: Jyothish Krishnan
Sample Identification	: Tower 4 - Level 4 Storage Area	Sample Type	: Indoor Air Quality Monitoring

Parameters	Test Methods	Units	Results	Specification
CARBON DIOXIDE	OTM: SECTION III- CHAPTER-02	ppm	738	30000 (STEL)
CARBON MONOXIDE	OTM: SECTION III- CHAPTER-02	ppm	2.6	25(TWA)
FORMALDEHYDE	OTM: SECTION III- CHAPTER-02	ppm	ND	0.3 (STEL)
Humidity	BSEN 60079 - 29 - 2-2015	%	48.3	NA
OZONE	BSEN 60079-29-2:2015	ppm	ND	0.2 (TWA)
PARTICULATE MATTER (PM1.0)	ISO-21501-4:2018	µg/m3	1.76	NA
PARTICULATE MATTER (PM2.5).	ISO-21501-4:2018	µg/m3	5.26	NA
RSPM [PARTICULATE MATTER (PM10)]	ISO-21501-4:2018	µg/m3	53.72	NA
Temperature	BSEN 60079 - 29 - 2-2015	°C	26.1	NA
TOTAL SUSPENDED PARTICLES	ISO-21501-4:2018	µg/m3	143.26	NA
TVOC	OTM: SECTION III- CHAPTER-02	µg/m3	296	NA

Note : AD-OSHAD – Abu Dhabi Occupational Safety and Health System Framework Guideline version 3.0, July 2016

Remarks :CONCLUSION-As per the above observation we have found that there is no gaseous contamination exceeding the limit in all monitoring areas, everything under the prescribed limit as per the given standard guideline of AD-OSHAD. The Dust concentration is also under the limit as per the guidelines of given standards limit.

Analyst	Reviewed By	Method Variation
JK	NKS	None

Key Words :NA – Not Available in the OSHAD Guideline,ND-Not Detected.





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Test Report



Testing - NAL 034

Report No. : WA-R-O-2005-0696

Signed for and on behalf of Wimpey Laboratories

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Nishi Kumar Shukla
Senior Environmental Chemist



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Customer Details

Crystalline Environmental Services

Request No.	: WA-Q-O-2005-0169	Sample No.	: WA-S-O-2005-0697
Sampling Date/time	: 7/5/2020 , 14:50	Report Date.	: 10/5/2020
Analysis Start Date.	: 7/5/2020	Analysis End Date.	: 7/5/2020
Sample Location.	: ADGM Square, Al Mariyah Island Abu Dhabi	Sampled By	: Jyothish Krishnan
Sample Identification	: Tower 4 - Level 15 Lift Lobby	Sample Type	: Indoor Air Quality Monitoring

Parameters	Test Methods	Units	Results	Specification
CARBON DIOXIDE	OTM: SECTION III- CHAPTER-02	ppm	547	30000 (STEL)
CARBON MONOXIDE	OTM: SECTION III- CHAPTER-02	ppm	2.1	25(TWA)
FORMALDEHYDE	OTM: SECTION III- CHAPTER-02	ppm	ND	0.3 (STEL)
Humidity	BSEN 60079 - 29 - 2-2015	%	54.8	NA
OZONE	BSEN 60079-29-2:2015	ppm	ND	0.2 (TWA)
PARTICULATE MATTER (PM1.0)	ISO-21501-4:2018	µg/m3	1.56	NA
PARTICULATE MATTER (PM2.5).	ISO-21501-4:2018	µg/m3	2.72	NA
RSPM [PARTICULATE MATTER (PM10)]	ISO-21501-4:2018	µg/m3	23.26	NA
Temperature	BSEN 60079 - 29 - 2-2015	°C	22.8	NA
TOTAL SUSPENDED PARTICLES	ISO-21501-4:2018	µg/m3	35.38	NA
TVOC	OTM: SECTION III- CHAPTER-02	µg/m3	278	NA

Note : AD-OSHAD – Abu Dhabi Occupational Safety and Health System Framework Guideline version 3.0, July 2016

Remarks :CONCLUSION-As per the above observation we have found that there is no gaseous contamination exceeding the limit in all monitoring areas, everything under the prescribed limit as per the given standard guideline of AD-OSHAD. The Dust concentration is also under the limit as per the guidelines of given standards limit.

Analyst	Reviewed By	Method Variation
JK	NKS	None

Key Words :NA – Not Available in the OSHAD Guideline,ND-Not Detected.





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Test Report



Testing - NAL 034

Report No. : WA-R-O-2005-0697

Signed for and on behalf of Wimpey Laboratories

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Senior Environmental Chemist



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Test Report

Customer Details

Crystalline Environmental Services

Report No. WA-R-O-2005-0698



Request No. : WA-Q-O-2005-0169	Sample No. : WA-S-O-2005-0698
Sampling Date/time : 7/5/2020 , 15:10	Report Date. : 10/5/2020
Analysis Start Date. : 7/5/2020	Analysis End Date. : 7/5/2020
Sample Location. : ADGM Square, Al Mariyah Island Abu Dhabi	Sampled By : Jyothish Krishnan
Sample Identification : Tower 4 - Level 22 Corridor Area	Sample Type : Indoor Air Quality Monitoring

Parameters	Test Methods	Units	Results	Specification
CARBON DIOXIDE	OTM: SECTION III- CHAPTER-02	ppm	800	30000 (STEL)
CARBON MONOXIDE	OTM: SECTION III- CHAPTER-02	ppm	3.2	25(TWA)
FORMALDEHYDE	OTM: SECTION III- CHAPTER-02	ppm	ND	0.3 (STEL)
Humidity	BSEN 60079 - 29 - 2-2015	%	40.3	NA
OZONE	BSEN 60079-29-2:2015	ppm	ND	0.2 (TWA)
PARTICULATE MATTER (PM1.0))	ISO-21501-4:2018	µg/m3	1.36	NA
PARTICULATE MATTER (PM2.5).	ISO-21501-4:2018	µg/m3	8.56	NA
RSPM [PARTICULATE MATTER (PM10)]	ISO-21501-4:2018	µg/m3	52.83	NA
Temperature	BSEN 60079 - 29 - 2-2015	°C	29.2	NA
TOTAL SUSPENDED PARTICLES	ISO-21501-4:2018	µg/m3	96.32	NA
TVOC	OTM: SECTION III- CHAPTER-02	µg/m3	295	NA

Note : AD-OSHAD – Abu Dhabi Occupational Safety and Health System Framework Guideline version 3.0, July 2016

Remarks :CONCLUSION-As per the above observation we have found that there is no gaseous contamination exceeding the limit in all monitoring areas, everything under the prescribed limit as per the given standard guideline of AD-OSHAD. The Dust concentration is also under the limit as per the guidelines of given standards limit.

Analyst	Reviewed By	Method Variation
JK	NKS	None

Key Words :NA – Not Available in the OSHAD Guideline,ND-Not Detected.





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Test Report



Testing - NAL 034

Report No. : WA-R-O-2005-0698

Signed for and on behalf of Wimpey Laboratories

Nishi Shukla

Nishi Kumar Shukla

Senior Environmental Chemist



Test results relate only to the samples tested.

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Customer Details

Crystalline Environmental Services

Request No.	: WA-Q-O-2005-0169	Sample No.	: WA-S-O-2005-0699
Sampling Date/time	: 7/5/2020 , 15:30	Report Date.	: 10/5/2020
Analysis Start Date.	: 7/5/2020	Analysis End Date.	: 7/5/2020
Sample Location.	: ADGM Square, Al Mariyah Island Abu Dhabi	Sampled By	: Jyothish Krishnan
Sample Identification	: Tower 4 - Level 30 UNSEAD Reception	Sample Type	: Indoor Air Quality Monitoring

Parameters	Test Methods	Units	Results	Specification
CARBON DIOXIDE	OTM: SECTION III- CHAPTER-02	ppm	563	30000 (STEL)
CARBON MONOXIDE	OTM: SECTION III- CHAPTER-02	ppm	1.8	25(TWA)
FORMALDEHYDE	OTM: SECTION III- CHAPTER-02	ppm	ND	0.3 (STEL)
Humidity	BSEN 60079 - 29 - 2-2015	%	55.7	NA
OZONE	BSEN 60079-29-2:2015	ppm	ND	0.2 (TWA)
PARTICULATE MATTER (PM1.0))	ISO-21501-4:2018	µg/m3	1.12	NA
PARTICULATE MATTER (PM2.5).	ISO-21501-4:2018	µg/m3	4.26	NA
RSPM [PARTICULATE MATTER (PM10)]	ISO-21501-4:2018	µg/m3	20.28	NA
Temperature	BSEN 60079 - 29 - 2-2015	°C	23.5	NA
TOTAL SUSPENDED PARTICLES	ISO-21501-4:2018	µg/m3	35.32	NA
TVOC	OTM: SECTION III- CHAPTER-02	µg/m3	278	NA

Note : AD-OSHAD – Abu Dhabi Occupational Safety and Health System Framework Guideline version 3.0, July 2016

Remarks :CONCLUSION-As per the above observation we have found that there is no gaseous contamination exceeding the limit in all monitoring areas, everything under the prescribed limit as per the given standard guideline of AD-OSHAD. The Dust concentration is also under the limit as per the guidelines of given standards limit.

Analyst	Reviewed By	Method Variation
JK	NKS	None

Key Words :NA – Not Available in the OSHAD Guideline





مختبرات ويمبي ذم م
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Test Report



Testing - NAL 034

Report No. : WA-R-O-2005-0699

Signed for and on behalf of Wimpey Laboratories

Nishi Kumar Shukla

Nishi Kumar Shukla

Senior Environmental Chemist



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