



مختبرات ويمبي ذم م Wimpey Laboratories LLC

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-2008-01410



Customer Details

Crystalline Cleaning & Environmental Services

P.O.Box: 131463 Warehouse no: 84, M-45. Mussafah, Abu Dhabi, UAE.

Request No. : WA-Q-O-2008-00340

Sample No. : WA-S-O-2008-01457

Sampling Date	: 16/08/2020	Report Date.	: 19/08/2020
Analysis Start Date.	: 16/08/2020	Analysis End Date.	: 16/08/2020
Sample Location.	: ADGM Square	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	602	30000 (STEL)
CARBON MONOXIDE	OTM: SECTION III-CHAPTER-02	ppm	2.6	25
FORMALDEHYDE	OTM: SECTION III-CHAPTER-02	ppm	ND	0.3 (STEL)
Humidity	BSEN 60079 - 29 - 2-2015	%	58.2	NA
OZONE	BSEN 60079-29-2:2015	ppm	ND	0.2
PARTICULATE MATTER (PM1.0))	ISO-21501-4:2018	µg/m ³	1.87	NA
PARTICULATE MATTER (PM2.5).	ISO-21501-4:2018	µg/m ³	2.46	NA
RSPM [PARTICULATE MATTER (PM10)]	ISO-21501-4:2018	µg/m ³	15.78	NA
Temperature	BSEN 60079 - 29 - 2-2015	°C	22.4	NA
TOTAL SUSPENDED PARTICLES	ISO-21501-4:2018	µg/m ³	27.88	NA
TVOC	OTM: SECTION III-CHAPTER-02	µg/m ³	243	NA

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

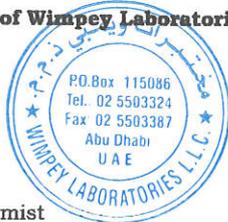
Remarks :Conclusion - As per the above observation we have found that there is no gaseous contamination exceeding the limit in all monitoring areas, everything under the prescribed limit as per the given standard guideline of AD-OSHAD. The Dust concentration is also under the limit as per the guidelines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

Analyst	Reviewed By	Method Variation
JK	AK	None

Key Words :NA – Not Available in the OSHAD Guideline

Signed for and on behalf of Wimpey Laboratories

Nishi Shukla



Nishi Kumar Shukla

Senior Environmental Chemist

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Customer Details

Crystalline Cleaning & Environmental Services

P.O.Box: 131463 Warehouse no: 84, M-45. Mussafah, Abu Dhabi, UAE.

Request No. : WA-Q-O-2008-00340

Sample No. : WA-S-O-2008-01458

Sampling Date	: 16/08/2020	Report Date.	: 19/08/2020
Analysis Start Date.	: 16/08/2020	Analysis End Date.	: 16/08/2020
Sample Location.	: ADGM Square	Sampled By	: Jyothish Krishnan
Sample Identification	: Tower 1-Level 06 Pantry	Sample Type	: Indoor Air Quality Monitoring

Parameters	Test Methods	Units	Results	Specification
CARBON DIOXIDE	OTM: SECTION III-CHAPTER-02	ppm	675	30000 (STEL)
CARBON MONOXIDE	OTM: SECTION III-CHAPTER-02	ppm	2.9	25
FORMALDEHYDE	OTM: SECTION III-CHAPTER-02	ppm	ND	0.3 (STEL)
Humidity	BSEN 60079 - 29 - 2-2015	%	53.1	NA
OZONE	BSEN 60079-29-2:2015	ppm	ND	0.2
PARTICULATE MATTER (PM1.0))	ISO-21501-4:2018	µg/m ³	1.82	NA
PARTICULATE MATTER (PM2.5).	ISO-21501-4:2018	µg/m ³	5.22	NA
RSPM [PARTICULATE MATTER (PM10)]	ISO-21501-4:2018	µg/m ³	14.38	NA
Temperature	BSEN 60079 - 29 - 2-2015	°C	24.2	NA
TOTAL SUSPENDED PARTICLES	ISO-21501-4:2018	µg/m ³	39.12	NA
TVOC	OTM: SECTION III-CHAPTER-02	µg/m ³	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	AK	None

Key Words :NA – Not Available in the OSHAD Guideline

Signed for and on behalf of Wimpey Laboratories

Nishi Kumar Shukla



Nishi Kumar Shukla

Senior Environmental Chemist

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Customer Details

Crystalline Cleaning & Environmental Services

P.O.Box: 131463 Warehouse no: 84, M-45. Mussafah, Abu Dhabi, UAE.

Request No. : WA-Q-O-2008-00340

Sample No. : WA-S-O-2008-01459

Sampling Date	: 16/08/2020	Report Date.	: 19/08/2020
Analysis Start Date.	: 16/08/2020	Analysis End Date.	: 19/08/2020
Sample Location.	: ADGM Square	Sampled By	: Jyothish Krishnan
Sample Identification	: Tower 1-Level 15 Corridor Area	Sample Type	: Indoor Air Quality Monitoring

Parameters	Test Methods	Units	Results	Specification
CARBON DIOXIDE	OTM: SECTION III-CHAPTER-02	ppm	784	30000 (STEL)
CARBON MONOXIDE	OTM: SECTION III-CHAPTER-02	ppm	2.6	25
FORMALDEHYDE	OTM: SECTION III-CHAPTER-02	ppm	ND	0.3 (STEL)
Humidity	BSEN 60079 - 29 - 2-2015	%	57.8	NA
OZONE	BSEN 60079-29-2:2015	ppm	ND	0.2
PARTICULATE MATTER (PM1.0))	ISO-21501-4:2018	µg/m ³	1.46	NA
PARTICULATE MATTER (PM2.5).	ISO-21501-4:2018	µg/m ³	4.03	NA
RSPM [PARTICULATE MATTER (PM10)]	ISO-21501-4:2018	µg/m ³	18.84	NA
Temperature	BSEN 60079 - 29 - 2-2015	°C	20.6	NA
TOTAL SUSPENDED PARTICLES	ISO-21501-4:2018	µg/m ³	32.46	NA
TVOC	OTM: SECTION III-CHAPTER-02	µg/m ³	275	NA

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

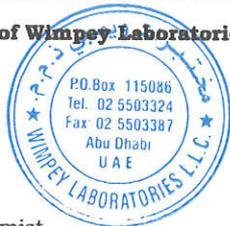
Remarks :Conclusion - As per the above observation we have found that there is no gaseous contamination exceeding the limit in all monitoring areas, everything under the prescribed limit as per the given standard guideline of AD-OSHAD. The Dust concentration is also under the limit as per the guidelines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

Analyst	Reviewed By	Method Variation
JK	AK	None

Key Words :NA – Not Available in the OSHAD Guideline

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Senior Environmental Chemist

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Test Report



Testing - NAL 034

Report No. WA-R-O-2008-01413



Customer Details

Crystalline Cleaning & Environmental Services

P.O.Box: 131463 Warehouse no: 84, M-45. Mussafah, Abu Dhabi, UAE.

Request No. : WA-Q-O-2008-00340

Sample No. : WA-S-O-2008-01460

Sampling Date	: 16/08/2020	Report Date.	: 19/08/2020
Analysis Start Date.	: 16/08/2020	Analysis End Date.	: 16/08/2020
Sample Location.	: ADGM Square	Sampled By	: Jyothish Krishnan
Sample Identification	: Tower 1-Level 19 Department of Energy Office	Sample Type	: Indoor Air Quality Monitoring

Parameters	Test Methods	Units	Results	Specification
CARBON DIOXIDE	OTM: SECTION III-CHAPTER-02	ppm	611	30000 (STEL)
CARBON MONOXIDE	OTM: SECTION III-CHAPTER-02	ppm	2.4	25
FORMALDEHYDE	OTM: SECTION III-CHAPTER-02	ppm	ND	0.3 (STEL)
Humidity	BSEN 60079 - 29 - 2-2015	%	53.1	NA
OZONE	BSEN 60079-29-2:2015	ppm	ND	0.2
PARTICULATE MATTER (PM1.0))	ISO-21501-4:2018	µg/m ³	2.55	NA
PARTICULATE MATTER (PM2.5).	ISO-21501-4:2018	µg/m ³	4.26	NA
RSPM [PARTICULATE MATTER (PM10)]	ISO-21501-4:2018	µg/m ³	31.78	NA
Temperature	BSEN 60079 - 29 - 2-2015	°C	20.8	NA
TOTAL SUSPENDED PARTICLES	ISO-21501-4:2018	µg/m ³	43.68	NA
TVOC	OTM: SECTION III-CHAPTER-02	µg/m ³	241	NA

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

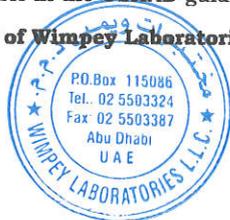
Remarks :Conclusion - As per the above observation we have found that there is no gaseous contamination exceeding the limit in all monitoring areas, everything under the prescribed limit as per the given standard guideline of AD-OSHAD. The Dust concentration is also under the limit as per the guidelines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

Analyst	Reviewed By	Method Variation
JK	AK	None

Key Words :NA-Not available in the OSHAD guideline

Signed for and on behalf of Wimpey Laboratories

Nishi Kumar Shukla



Nishi Kumar Shukla

Senior Environmental Chemist

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Customer Details

Crystalline Cleaning & Environmental Services

P.O.Box: 131463 Warehouse no: 84, M-45. Mussafah, Abu Dhabi, UAE.

Request No. : WA-Q-O-2008-00340

Sample No. : WA-S-O-2008-01461

Sampling Date	: 16/08/2020	Report Date.	: 19/08/2020
Analysis Start Date.	: 16/08/2020	Analysis End Date.	: 16/08/2020
Sample Location.	: ADGM Square	Sampled By	: Jyothish Krishnan
Sample Identification	: Tower 1-Level 24 Lift Lobby	Sample Type	: Indoor Air Quality Monitoring

Parameters	Test Methods	Units	Results	Specification
CARBON DIOXIDE	OTM: SECTION III-CHAPTER-02	ppm	721	30000 (STEL)
CARBON MONOXIDE	OTM: SECTION III-CHAPTER-02	ppm	4.3	25
FORMALDEHYDE	OTM: SECTION III-CHAPTER-02	ppm	ND	0.3 (STEL)
Humidity	BSEN 60079 - 29 - 2-2015	%	51.03	NA
OZONE	BSEN 60079-29-2:2015	ppm	ND	0.2
PARTICULATE MATTER (PM1.0))	ISO-21501-4:2018	µg/m ³	5.72	NA
PARTICULATE MATTER (PM2.5).	ISO-21501-4:2018	µg/m ³	7.28	NA
RSPM [PARTICULATE MATTER (PM10)]	ISO-21501-4:2018	µg/m ³	49.46	NA
Temperature	BSEN 60079 - 29 - 2-2015	°C	22.1	NA
TOTAL SUSPENDED PARTICLES	ISO-21501-4:2018	µg/m ³	108.23	NA
TVOC	OTM: SECTION III-CHAPTER-02	µg/m ³	271	NA

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

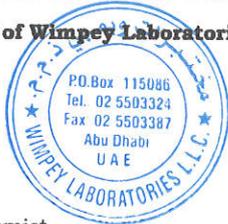
Remarks :Conclusion - As per the above observation we have found that there is no gaseous contamination exceeding the limit in all monitoring areas, everything under the prescribed limit as per the given standard guideline of AD-OSHAD. The Dust concentration is also under the limit as per the guidelines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

Analyst	Reviewed By	Method Variation
JK	AK	None

Key Words :NA – Not Available in the OSHAD Guideline

Signed for and on behalf of Wimpey Laboratories

Nishi Kumar Shukla



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Senior Environmental Chemist

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Tel: +971 2 5503324, Fax: +971 2 5503387

Test Report



Testing - NAL 034

Report No. WA-R-O-2008-01415



Sample No. : WA-S-O-2008-01462

Customer Details

Crystalline Cleaning & Environmental Services

P.O.Box: 131463 Warehouse no: 84, M-45. Mussafah, Abu Dhabi, UAE.

Request No. : WA-Q-O-2008-00340

Sample No. : WA-S-O-2008-01462

Sampling Date	: 16/08/2020	Report Date.	: 19/08/2020
Analysis Start Date.	: 16/08/2020	Analysis End Date.	: 16/08/2020
Sample Location.	: ADGM Square	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	606	30000 (STEL)
CARBON MONOXIDE	OTM: SECTION III-CHAPTER-02	ppm	2.3	25
FORMALDEHYDE	OTM: SECTION III-CHAPTER-02	ppm	ND	0.3 (STEL)
Humidity	BSEN 60079 - 29 - 2-2015	%	59.8	NA
OZONE	BSEN 60079-29-2:2015	ppm	ND	0.2
PARTICULATE MATTER (PM1.0))	ISO-21501-4:2018	µg/m ³	1.07	NA
PARTICULATE MATTER (PM2.5).	ISO-21501-4:2018	µg/m ³	4.58	NA
RSPM [PARTICULATE MATTER (PM10)]	ISO-21501-4:2018	µg/m ³	13.28	NA
Temperature	BSEN 60079 - 29 - 2-2015	°C	20.3	NA
TOTAL SUSPENDED PARTICLES	ISO-21501-4:2018	µg/m ³	28.46	NA
TVOC	OTM: SECTION III-CHAPTER-02	µg/m ³	272	NA

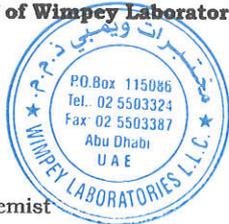
Note : AD-OSHAD – Abu Dhabi Occupational Safety and Health System Framework Guideline version 3.0, July 2016

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	AK	None

Signed for and on behalf of Wimpey Laboratories

Nishi Shukla



Nishi Kumar Shukla

Senior Environmental Chemist

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Customer Details

Crystalline Cleaning & Environmental Services

P.O.Box: 131463 Warehouse no: 84, M-45. Mussafah, Abu Dhabi, UAE.

Request No. : WA-Q-O-2008-00340

Sample No. : WA-S-O-2008-01463

Sampling Date	: 16/08/2020	Report Date.	: 20/08/2020
Analysis Start Date.	: 16/08/2020	Analysis End Date.	: 16/08/2020
Sample Location.	: ADGM Square	Sampled By	: Jyothish Krishnan
Sample Identification	: Tower 3- HVAC Plant Room, Level 4	Sample Type	: Indoor Air Quality Monitoring

Parameters	Test Methods	Units	Results	Specification
CARBON DIOXIDE	OTM: SECTION III-CHAPTER-02	ppm	644	30000 (STEL)
CARBON MONOXIDE	OTM: SECTION III-CHAPTER-02	ppm	2.8	25
FORMALDEHYDE	OTM: SECTION III-CHAPTER-02	ppm	ND	0.3(STEL)
Humidity	BSEN 60079 - 29 - 2-2015	%	48.9	NA
OZONE	BSEN 60079-29-2:2015	ppm	ND	0.2
PARTICULATE MATTER (PM1.0))	ISO-21501-4:2018	µg/m ³	4.35	NA
PARTICULATE MATTER (PM2.5).	ISO-21501-4:2018	µg/m ³	16.32	NA
RSPM [PARTICULATE MATTER (PM10)]	ISO-21501-4:2018	µg/m ³	54.72	NA
Temperature	BSEN 60079 - 29 - 2-2015	°C	24.8	NA
TOTAL SUSPENDED PARTICLES	ISO-21501-4:2018	µg/m ³	112.51	NA
TVOC	OTM: SECTION III-CHAPTER-02	µg/m ³	282	NA

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

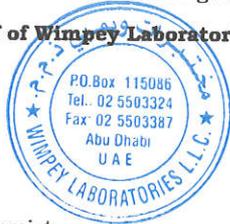
Remarks :Conclusion - As per the above observation we have found that there is no gaseous contamination exceeding the limit in all monitoring areas, everything under the prescribed limit as per the given standard guideline of AD-OSHAD. The Dust concentration is also under the limit as per the guidelines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

Analyst	Reviewed By	Method Variation
JK	AK	None

Key Words :NA- Not Available in the OSHAD guideline

Signed for and on behalf of Wimpey Laboratories

Nishi Shukla



Nishi Kumar Shukla

Senior Environmental Chemist

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Tel: +971 2 5503324, Fax: +971 2 5503387

Test Report



Testing - NAL 034

Report No. WA-R-O-2008-01417



Customer Details

Crystalline Cleaning & Environmental Services

P.O.Box: 131463 Warehouse no: 84, M-45. Mussafah, Abu Dhabi, UAE.

Request No. : WA-Q-O-2008-00340

Sample No. : WA-S-O-2008-01464

Sampling Date	: 16/08/2020	Report Date.	: 20/08/2020
Analysis Start Date.	: 16/08/2020	Analysis End Date.	: 16/08/2020
Sample Location.	: ADGM Square	Sampled By	: Jyothish Krishnan
Sample Identification	: Tower 3- Level 14 Abudhabi Tele Medicine Center Office	Sample Type	: Indoor Air Quality Monitoring

Parameters	Test Methods	Units	Results	Specification
CARBON DIOXIDE	OTM: SECTION III- CHAPTER-02	ppm	608	30000 (STEL)
CARBON MONOXIDE	OTM: SECTION III- CHAPTER-02	ppm	3.4	25
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
PARTICULATE MATTER (PM1.0))	ISO-21501-4:2018	µg/m ³	1.65	NA
PARTICULATE MATTER (PM2.5).	ISO-21501-4:2018	µg/m ³	3.85	NA
RSPM [PARTICULATE MATTER (PM10)]	ISO-21501-4:2018	µg/m ³	68.67	NA
Temperature	BSEN 60079 - 29 - 2-2015	°C	23.3	NA
TOTAL SUSPENDED PARTICLES	ISO-21501-4:2018	µg/m ³	105.67	NA
TVOC	OTM: SECTION III- CHAPTER-02	µg/m ³	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	AK	None

Key Words :NA – Not Available in the OSHAD Guideline

Signed for and on behalf of Wimpey Laboratories

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Customer Details

Crystalline Cleaning & Environmental Services

P.O.Box: 131463 Warehouse no: 84, M-45. Mussafah, Abu Dhabi, UAE.

Request No. : WA-Q-O-2008-00340

Sample No. : WA-S-O-2008-01465

Sampling Date	: 16/08/2020	Report Date.	: 16/08/2020
Analysis Start Date.	: 16/08/2020	Analysis End Date.	: 16/08/2020
Sample Location.	: ADGM Square	Sampled By	: Jyothish Krishnan
Sample Identification	: Tower 3- Level 21- Lift Lobby	Sample Type	: Indoor Air Quality Monitoring

Parameters	Test Methods	Units	Results	Specification
CARBON DIOXIDE	OTM: SECTION III-CHAPTER-02	ppm	613	30000 (STEL)
CARBON MONOXIDE	OTM: SECTION III-CHAPTER-02	ppm	3.1	25
FORMALDEHYDE	OTM: SECTION III-CHAPTER-02	ppm	ND	0.3 (STEL)
Humidity	BSEN 60079 - 29 - 2-2015	%	49.8	NA
OZONE	BSEN 60079-29-2:2015	ppm	ND	0.2
PARTICULATE MATTER (PM1.0))	ISO-21501-4:2018	µg/m ³	1.06	NA
PARTICULATE MATTER (PM2.5).	ISO-21501-4:2018	µg/m ³	3.78	NA
RSPM [PARTICULATE MATTER (PM10)]	ISO-21501-4:2018	µg/m ³	18.26	NA
Temperature	BSEN 60079 - 29 - 2-2015	°C	22.6	NA
TOTAL SUSPENDED PARTICLES	ISO-21501-4:2018	µg/m ³	27.38	NA
TVOC	OTM: SECTION III-CHAPTER-02	µg/m ³	268	NA

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

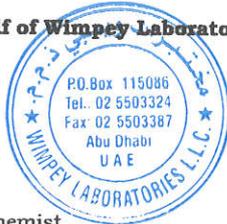
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Analyst	Reviewed By	Method Variation
JK	AK	None

Key Words :NA – Not Available in the OSHAD Guideline

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Customer Details

Crystalline Cleaning & Environmental Services

P.O.Box: 131463 Warehouse no: 84, M-45. Mussafah, Abu Dhabi, UAE.

Request No. : WA-Q-O-2008-00340

Sample No. : WA-S-O-2008-01466

Sampling Date	: 16/08/2020	Report Date.	: 20/08/2020
Analysis Start Date.	: 16/08/2020	Analysis End Date.	: 16/08/2020
Sample Location.	: ADGM Square	Sampled By	: Jyothish Krishnan
Sample Identification	: Tower 3- Level 26 Corridor	Sample Type	: Indoor Air Quality Monitoring

Parameters	Test Methods	Units	Results	Specification
CARBON DIOXIDE	OTM: SECTION III-CHAPTER-02	ppm	756	30000 (STEL)
CARBON MONOXIDE	OTM: SECTION III-CHAPTER-02	ppm	3.8	25
FORMALDEHYDE	OTM: SECTION III-CHAPTER-02	ppm	ND	0.2
Humidity	BSEN 60079 - 29 - 2-2015	%	49.6	NA
OZONE	BSEN 60079-29-2:2015	ppm	ND	0.2
PARTICULATE MATTER (PM1.0))	ISO-21501-4:2018	µg/m ³	6.06	NA
PARTICULATE MATTER (PM2.5).	ISO-21501-4:2018	µg/m ³	7.82	NA
RSPM [PARTICULATE MATTER (PM10)]	ISO-21501-4:2018	µg/m ³	42.63	NA
Temperature	BSEN 60079 - 29 - 2-2015	°C	27.9	NA
TOTAL SUSPENDED PARTICLES	ISO-21501-4:2018	µg/m ³	82.54	NA
TVOC	OTM: SECTION III-CHAPTER-02	µg/m ³	286	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	AK	None

Key Words :NA – Not Available in the OSHAD Guideline

Signed for and on behalf of Wimpey Laboratories

Nishi Kumar Shukla



Nishi Kumar Shukla

Senior Environmental Chemist

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Tel: +971 2 5503324, Fax: +971 2 5503387

Test Report



Testing - NAL 034

Report No. WA-R-O-2008-01420



Sample No. : WA-S-O-2008-01467

Customer Details

Crystalline Cleaning & Environmental Services

P.O.Box: 131463 Warehouse no: 84, M-45. Mussafah, Abu Dhabi, UAE.

Request No. : WA-Q-O-2008-00340

Sampling Date : 16/08/2020

Analysis Start Date. : 16/08/2020

Sample Location. : ADGM Square

Sample Identification : Tower 2- Lobby Area

Report Date. : 20/08/2020

Analysis End Date. : 16/08/2020

Sampled By : Jyothish Krishnan

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	2.2	25
FORMALDEHYDE	OTM: SECTION III-CHAPTER-02	ppm	ND	0.3 (STEL)
Humidity	BSEN 60079 - 29 - 2-2015	%	58.2	NA
OZONE	BSEN 60079-29-2:2015	ppm	ND	0.2
PARTICULATE MATTER (PM1.0))	ISO-21501-4:2018	µg/m ³	3.21	NA
PARTICULATE MATTER (PM2.5).	ISO-21501-4:2018	µg/m ³	6.81	NA
RSPM [PARTICULATE MATTER (PM10)]	ISO-21501-4:2018	µg/m ³	21.32	NA
Temperature	BSEN 60079 - 29 - 2-2015	°C	22.8	NA
TOTAL SUSPENDED PARTICLES	ISO-21501-4:2018	µg/m ³	35.33	NA
TVOC	OTM: SECTION III-CHAPTER-02	µg/m ³	251	NA

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

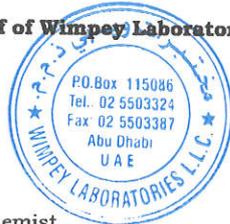
Remarks :Conclusion - As per the above observation we have found that there is no gaseous contamination exceeding the limit in all monitoring areas, everything under the prescribed limit as per the given standard guideline of AD-OSHAD. The Dust concentration is also under the limit as per the guidelines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

Analyst	Reviewed By	Method Variation
JK	AK	None

Key Words :NA – Not Available in the OSHAD Guideline

Signed for and on behalf of Wimpey Laboratories

Nishi Kumar Shukla



Nishi Kumar Shukla

Senior Environmental Chemist

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Tel: +971 2 5503324, Fax: +971 2 5503387

Test Report



Testing - NAL 034

Report No. WA-R-O-2008-01421



Customer Details

Crystalline Cleaning & Environmental Services

P.O.Box: 131463 Warehouse no: 84, M-45. Mussafah, Abu Dhabi, UAE.

Request No. : WA-Q-O-2008-00340

Sample No. : WA-S-O-2008-01468

Sampling Date	: 16/08/2020	Report Date.	: 16/08/2020
Analysis Start Date.	: 16/08/2020	Analysis End Date.	: 16/08/2020
Sample Location.	: ADGM Square	Sampled By	: Jyothish Krishnan
Sample Identification	: Tower 2- Level 5 Lift Lobby	Sample Type	: Indoor Air Quality Monitoring

Parameters	Test Methods	Units	Results	Specification
CARBON DIOXIDE	OTM: SECTION III-CHAPTER-02	ppm	763	30000 (STEL)
CARBON MONOXIDE	OTM: SECTION III-CHAPTER-02	ppm	4.3	25
FORMALDEHYDE	OTM: SECTION III-CHAPTER-02	ppm	ND	0.3 (STEL)
Humidity	BSEN 60079 - 29 - 2-2015	%	51.2	NA
OZONE	BSEN 60079-29-2:2015	ppm	ND	0.2
PARTICULATE MATTER (PM1.0)	ISO-21501-4:2018	µg/m ³	2.86	NA
PARTICULATE MATTER (PM2.5).	ISO-21501-4:2018	µg/m ³	8.32	NA
RSPM [PARTICULATE MATTER (PM10)]	ISO-21501-4:2018	µg/m ³	39.48	NA
Temperature	BSEN 60079 - 29 - 2-2015	°C	24.4	NA
TOTAL SUSPENDED PARTICLES	ISO-21501-4:2018	µg/m ³	66.32	NA
TVOC	OTM: SECTION III-CHAPTER-02	µg/m ³	252	NA

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

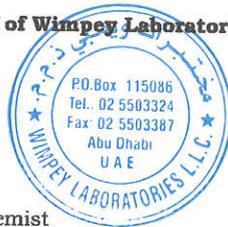
Remarks :Conclusion - As per the above observation we have found that there is no gaseous contamination exceeding the limit in all monitoring areas, everything under the prescribed limit as per the given standard guideline of AD-OSHAD. The Dust concentration is also under the limit as per the guidelines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

Analyst	Reviewed By	Method Variation
JK	NKS	None

Key Words :NA – Not Available in the OSHAD Guideline

Signed for and on behalf of Wimpey Laboratories

Nishi Kumar Shukla



Nishi Kumar Shukla

Senior Environmental Chemist

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Customer Details

Crystalline Cleaning & Environmental Services

P.O.Box: 131463 Warehouse no: 84, M-45. Mussafah, Abu Dhabi, UAE.

Request No. : WA-Q-O-2008-00340

Sample No. : WA-S-O-2008-01469

Sampling Date	: 16/08/2020	Report Date.	: 20/08/2020
Analysis Start Date.	: 16/08/2020	Analysis End Date.	: 16/08/2020
Sample Location.	: ADGM Square	Sampled By	: Jyothish Krishnan
Sample Identification	: Tower 2- Level 11 Corridor	Sample Type	: Indoor Air Quality Monitoring

Parameters	Test Methods	Units	Results	Specification
CARBON DIOXIDE	OTM: SECTION III-CHAPTER-02	ppm	778	30000 (STEL)
CARBON MONOXIDE	OTM: SECTION III-CHAPTER-02	ppm	3.6	25
FORMALDEHYDE	OTM: SECTION III-CHAPTER-02	ppm	ND	0.3STEL)
Humidity	BSEN 60079 - 29 - 2-2015	%	48.2	NA
OZONE	BSEN 60079-29-2:2015	ppm	ND	0.2
PARTICULATE MATTER (PM1.0))	ISO-21501-4:2018	µg/m ³	6.62	NA
PARTICULATE MATTER (PM2.5).	ISO-21501-4:2018	µg/m ³	9.38	NA
RSPM [PARTICULATE MATTER (PM10)]	ISO-21501-4:2018	µg/m ³	52.42	NA
Temperature	BSEN 60079 - 29 - 2-2015	°C	26.1	NA
TOTAL SUSPENDED PARTICLES	ISO-21501-4:2018	µg/m ³	90.78	NA
TVOC	OTM: SECTION III-CHAPTER-02	µg/m ³	288	NA

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

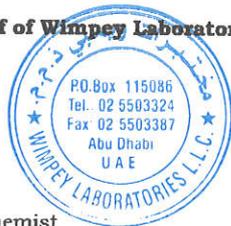
Remarks :Conclusion - As per the above observation we have found that there is no gaseous contamination exceeding the limit in all monitoring areas, everything under the prescribed limit as per the given standard guideline of AD-OSHAD. The Dust concentration is also under the limit as per the guidelines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

Analyst	Reviewed By	Method Variation
JK	NKS	None

Key Words :NA – Not Available in the OSHAD Guideline

Signed for and on behalf of Wimpey Laboratories

Nishi Kumar Shukla



Nishi Kumar Shukla

Senior Environmental Chemist

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Customer Details

Crystalline Cleaning & Environmental Services

P.O.Box: 131463 Warehouse no: 84, M-45. Mussafah, Abu Dhabi, UAE.

Request No. : WA-Q-O-2008-00340

Sample No. : WA-S-O-2008-01470

Sampling Date	: 16/08/2020	Report Date.	: 20/08/2020
Analysis Start Date.	: 16/08/2020	Analysis End Date.	: 16/08/2020
Sample Location.	: ADGM Square	Sampled By	: Jyothish Krishnan
Sample Identification	: Tower 2- Level 16 Corridor	Sample Type	: Indoor Air Quality Monitoring

Parameters	Test Methods	Units	Results	Specification
CARBON DIOXIDE	OTM: SECTION III-CHAPTER-02	ppm	742	30000 (STEL)
CARBON MONOXIDE	OTM: SECTION III-CHAPTER-02	ppm	3.3	25
FORMALDEHYDE	OTM: SECTION III-CHAPTER-02	ppm	ND	0.3 (STEL)
Humidity	BSEN 60079 - 29 - 2-2015	%	44.8	NA
OZONE	BSEN 60079-29-2:2015	ppm	ND	0.2
PARTICULATE MATTER (PM1.0))	ISO-21501-4:2018	µg/m ³	2.38	NA
PARTICULATE MATTER (PM2.5).	ISO-21501-4:2018	µg/m ³	5.63	NA
RSPM [PARTICULATE MATTER (PM10)]	ISO-21501-4:2018	µg/m ³	28.34	48.34
Temperature	BSEN 60079 - 29 - 2-2015	°C	28.8	NA
TOTAL SUSPENDED PARTICLES	ISO-21501-4:2018	µg/m ³	89.38	NA
TVOC	OTM: SECTION III-CHAPTER-02	µg/m ³	273	NA

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

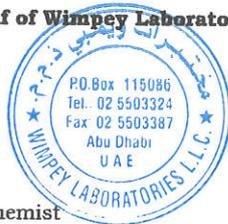
Remarks :Conclusion - As per the above observation we have found that there is no gaseous contamination exceeding the limit in all monitoring areas, everything under the prescribed limit as per the given standard guideline of AD-OSHAD. The Dust concentration is also under the limit as per the guidelines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

Analyst	Reviewed By	Method Variation
JK	NKS	None

Key Words :NA – Not Available in the OSHAD Guideline

Signed for and on behalf of Wimpey Laboratories

Nishi Kumar Shukla



Nishi Kumar Shukla

Senior Environmental Chemist

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Customer Details

Crystalline Cleaning & Environmental Services

P.O.Box: 131463 Warehouse no: 84, M-45. Mussafah, Abu Dhabi, UAE.

Request No. : WA-Q-O-2008-00340

Sample No. : WA-S-O-2008-01471

Sampling Date	: 16/08/2020	Report Date.	: 20/08/2020
Analysis Start Date.	: 16/08/2020	Analysis End Date.	: 16/08/2020
Sample Location.	: ADGM Square	Sampled By	: Jyothish Krishnan
Sample Identification	: Tower 2- Level 24 ADNOC Office Area	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	2.9	25
FORMALDEHYDE	OTM: SECTION III-CHAPTER-02	ppm	ND	0.3 (STEL)
Humidity	BSEN 60079 - 29 - 2-2015	%	52.4	NA
OZONE	BSEN 60079-29-2:2015	ppm	ND	0.2
PARTICULATE MATTER (PM1.0))	ISO-21501-4:2018	µg/m ³	1.86	NA
PARTICULATE MATTER (PM2.5).	ISO-21501-4:2018	µg/m ³	3.05	NA
RSPM [PARTICULATE MATTER (PM10)]	ISO-21501-4:2018	µg/m ³	66.32	NA
Temperature	BSEN 60079 - 29 - 2-2015	°C	22.4	NA
TOTAL SUSPENDED PARTICLES	ISO-21501-4:2018	µg/m ³	98.6	NA
TVOC	OTM: SECTION III-CHAPTER-02	µg/m ³	285	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

Signed for and on behalf of Wimpey Laboratories

Nishi Kumar Shukla



Nishi Kumar Shukla

Senior Environmental Chemist

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Customer Details

Crystalline Cleaning & Environmental Services

P.O.Box: 131463 Warehouse no: 84, M-45. Mussafah, Abu Dhabi, UAE.

Request No. : WA-Q-O-2008-00340

Sample No. : WA-S-O-2008-01472

Sampling Date	: 16/08/2020	Report Date.	: 20/08/2020
Analysis Start Date.	: 16/08/2020	Analysis End Date.	: 16/08/2020
Sample Location.	: ADGM Square	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	560	30000 (STEL)
CARBON MONOXIDE	OTM: SECTION III-CHAPTER-02	ppm	2.5	25
FORMALDEHYDE	OTM: SECTION III-CHAPTER-02	ppm	ND	0.3 (STEL)
Humidity	BSEN 60079 - 29 - 2-2015	%	57.5	NA
OZONE	BSEN 60079-29-2:2015	ppm	ND	0.2
PARTICULATE MATTER (PM1.0))	ISO-21501-4:2018	µg/m ³	1.45	NA
PARTICULATE MATTER (PM2.5).	ISO-21501-4:2018	µg/m ³	3.67	NA
RSPM [PARTICULATE MATTER (PM10)]	ISO-21501-4:2018	µg/m ³	24.12	NA
Temperature	BSEN 60079 - 29 - 2-2015	°C	21.7	NA
TOTAL SUSPENDED PARTICLES	ISO-21501-4:2018	µg/m ³	35.20	NA
TVOC	OTM: SECTION III-CHAPTER-02	µg/m ³	243	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 :NA1 – Not Available in the OSHAD Guideline

Signed for and on behalf of Wimpey Laboratories

Nishi Shukla



Nishi Kumar Shukla

Senior Environmental Chemist

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Tel: +971 2 5503324, Fax: +971 2 5503387

Test Report



Testing - NAL 034

Report No. WA-R-O-2008-01426



Sample No. : WA-S-O-2008-01473

Customer Details

Crystalline Cleaning & Environmental Services

P.O.Box: 131463 Warehouse no: 84, M-45. Mussafah, Abu Dhabi, UAE.

Request No. : WA-Q-O-2008-00340

Sampling Date : 16/08/2020

Analysis Start Date. : 16/08/2020

Sample Location. : ADGM Square

Sample Identification : Tower 4- Level 6 Pantry Area

Report Date. : 20/08/2020

Analysis End Date. : 16/08/2020

Sampled By : Jyothish Krishnan

Sample Type : Indoor Air Quality
Monitoring

Parameters	Test Methods	Units	Results	Specification
CARBON DIOXIDE	OTM: SECTION III- CHAPTER-02	ppm	638	30000 (STEL)
CARBON MONOXIDE	OTM: SECTION III- CHAPTER-02	ppm	3.1	25
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
PARTICULATE MATTER (PM1.0))	ISO-21501-4:2018	µg/m ³	1.38	NA
PARTICULATE MATTER (PM2.5).	ISO-21501-4:2018	µg/m ³	3.57	NA
RSPM [PARTICULATE MATTER (PM10)]	ISO-21501-4:2018	µg/m ³	17.19	NA
Temperature	BSEN 60079 - 29 - 2-2015	°C	23.4	NA
TOTAL SUSPENDED PARTICLES	ISO-21501-4:2018	µg/m ³	28.32	NA
TVOC	OTM: SECTION III- CHAPTER-02	µg/m ³	238	NA

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

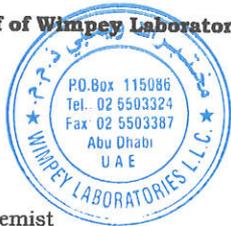
Remarks :Conclusion - As per the above observation we have found that there is no gaseous contamination exceeding the limit in all monitoring areas, everything under the prescribed limit as per the given standard guideline of AD-OSHAD. The Dust concentration is also under the limit as per the guidelines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

Analyst	Reviewed By	Method Variation
JK	NKS	None

Key Words :NA – Not Available in the OSHAD Guideline

Signed for and on behalf of Wimpey Laboratories

Nishi Shukla



Nishi Kumar Shukla

Senior Environmental Chemist

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Customer Details

Crystalline Cleaning & Environmental Services

P.O.Box: 131463 Warehouse no: 84, M-45. Mussafah, Abu Dhabi, UAE.

Request No. : WA-Q-O-2008-00340

Sample No. : WA-S-O-2008-01474

Sampling Date	: 16/08/2020	Report Date.	: 20/08/2020
Analysis Start Date.	: 16/08/2020	Analysis End Date.	: 16/08/2020
Sample Location.	: ADGM Square	Sampled By	: Jyothish Krishnan
Sample Identification	: Tower 4- Level 14 Hub 71 Office Corridor	Sample Type	: Indoor Air Quality Monitoring

Parameters	Test Methods	Units	Results	Specification
CARBON DIOXIDE	OTM: SECTION III-CHAPTER-02	ppm	649	30000 (STEL)
CARBON MONOXIDE	OTM: SECTION III-CHAPTER-02	ppm	3.2	25
FORMALDEHYDE	OTM: SECTION III-CHAPTER-02	ppm	ND	0.3 (STEL)
Humidity	BSEN 60079 - 29 - 2-2015	%	50.8	NA
OZONE	BSEN 60079-29-2:2015	ppm	ND	0.2
PARTICULATE MATTER (PM1.0))	ISO-21501-4:2018	µg/m ³	3.82	NA
PARTICULATE MATTER (PM2.5).	ISO-21501-4:2018	µg/m ³	6.68	NA
RSPM [PARTICULATE MATTER (PM10)]	ISO-21501-4:2018	µg/m ³	27.35	NA
Temperature	BSEN 60079 - 29 - 2-2015	°C	23.3	NA
TOTAL SUSPENDED PARTICLES	ISO-21501-4:2018	µg/m ³	41.42	NA
TVOC	OTM: SECTION III-CHAPTER-02	µg/m ³	249	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

Signed for and on behalf of Wimpey Laboratories

Nishi Kumar Shukla



Nishi Kumar Shukla

Senior Environmental Chemist

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Customer Details

Crystalline Cleaning & Environmental Services

P.O.Box: 131463 Warehouse no: 84, M-45. Mussafah, Abu Dhabi, UAE.

Request No. : WA-Q-O-2008-00340

Sample No. : WA-S-O-2008-01475

Sampling Date	: 16/08/2020	Report Date.	: 20/08/2020
Analysis Start Date.	: 16/08/2020	Analysis End Date.	: 16/08/2020
Sample Location.	: ADGM Square	Sampled By	: Jyothish Krishnan
Sample Identification	: Tower 4- Level 19 Lift Lobby	Sample Type	: Indoor Air Quality Monitoring

Parameters	Test Methods	Units	Results	Specification
CARBON DIOXIDE	OTM: SECTION III-CHAPTER-02	ppm	621	30000 (STEL)
CARBON MONOXIDE	OTM: SECTION III-CHAPTER-02	ppm	3.2	25
FORMALDEHYDE	OTM: SECTION III-CHAPTER-02	ppm	ND	0.3 (STEL)
Humidity	BSEN 60079 - 29 - 2-2015	%	49.8	NA
OZONE	BSEN 60079-29-2:2015	ppm	ND	0.2
PARTICULATE MATTER (PM1.0))	ISO-21501-4:2018	µg/m ³	6.21	NA
PARTICULATE MATTER (PM2.5).	ISO-21501-4:2018	µg/m ³	8.36	NA
RSPM [PARTICULATE MATTER (PM10)]	ISO-21501-4:2018	µg/m ³	29.78	NA
Temperature	BSEN 60079 - 29 - 2-2015	°C	24.3	NA
TOTAL SUSPENDED PARTICLES	ISO-21501-4:2018	µg/m ³	52.36	NA
TVOC	OTM: SECTION III-CHAPTER-02	µg/m ³	263	NA

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

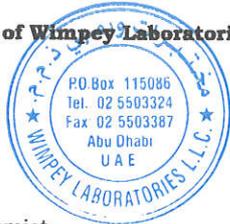
Remarks :Conclusion - As per the above observation we have found that there is no gaseous contamination exceeding the limit in all monitoring areas, everything under the prescribed limit as per the given standard guideline of AD-OSHAD. The Dust concentration is also under the limit as per the guidelines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

Analyst	Reviewed By	Method Variation
JK	NKS	None

Key Words :NA – Not Available in the OSHAD Guideline

Signed for and on behalf of Wimpey Laboratories

Nishi Kumar Shukla



Nishi Kumar Shukla

Senior Environmental Chemist

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Wimpey Laboratories LLC

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Tel: +971 2 5503324, Fax: +971 2 5503387

Test Report



Testing - NAL 034

Report No. WA-R-O-2008-01429



Customer Details

Crystalline Cleaning & Environmental Services

P.O.Box: 131463 Warehouse no: 84, M-45. Mussafah, Abu Dhabi, UAE.

Request No. : WA-Q-O-2008-00340

Sample No. : WA-S-O-2008-01476

Sampling Date	: 16/08/2020	Report Date.	: 20/08/2020
Analysis Start Date.	: 16/08/2020	Analysis End Date.	: 16/08/2020
Sample Location.	: ADGM Square	Sampled By	: Jyothish Krishnan
Sample Identification	: Tower 4- Level 29 Inside Office	Sample Type	: Indoor Air Quality Monitoring

Parameters	Test Methods	Units	Results	Specification
CARBON DIOXIDE	OTM: SECTION III-CHAPTER-02	ppm	653	30000 (STEL)
CARBON MONOXIDE	OTM: SECTION III-CHAPTER-02	ppm	3.6	25
FORMALDEHYDE	OTM: SECTION III-CHAPTER-02	ppm	ND	0.3 (STEL)
Humidity	BSEN 60079 - 29 - 2-2015	%	50.5	NA
OZONE	BSEN 60079-29-2:2015	ppm	ND	0.2
PARTICULATE MATTER (PM1.0))	ISO-21501-4:2018	µg/m ³	1.60	NA
PARTICULATE MATTER (PM2.5).	ISO-21501-4:2018	µg/m ³	2.70	NA
RSPM [PARTICULATE MATTER (PM10)]	ISO-21501-4:2018	µg/m ³	20.6	NA
Temperature	BSEN 60079 - 29 - 2-2015	°C	23.6	NA
TOTAL SUSPENDED PARTICLES	ISO-21501-4:2018	µg/m ³	36.57	NA
TVOC	OTM: SECTION III-CHAPTER-02	µg/m ³	236	NA

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

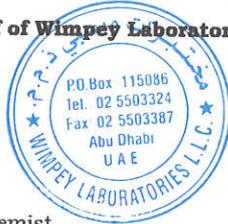
Remarks :Conclusion - As per the above observation we have found that there is no gaseous contamination exceeding the limit in all monitoring areas, everything under the prescribed limit as per the given standard guideline of AD-OSHAD. The Dust concentration is also under the limit as per the guidelines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

Analyst	Reviewed By	Method Variation
JK	NKS	None

Key Words :NA – Not Available in the OSHAD Guideline

Signed for and on behalf of Wimpey Laboratories

Nishi Shukla



Nishi Kumar Shukla

Senior Environmental Chemist

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