



MICROBIOLOGY AIR MONITORING TEST REPORT

Customer Details

Report No. WA-R-O-2004-0575

Crystalline Environmental Services



Request No. : WA-Q-O-2004-0148 Sample No. : WA-S-O-2004-0575
Sampling Date/time : 14/4/2020 , 09:40 Report Date. : 20/4/2020
Analysis Start Date. : 14/4/2020 Analysis End Date. : 19/4/2020
Sample Location. : ADIA-BRC Building, Mussafah Sampled By : Jyothish Krishnan
Sample Identification : CDD Room Sample Certificate No : 0502
Sample Type : Micro Air Quality Monitoring

Parameters	Test Methods	Units	Results	Specification
TBC	CCFRA 1.1.1 5th Ed. 2007	CFU/M ³	15	1000CFU/M ³
Yeast and Mould	CCFRA 2.1.1 5th Ed. 2007	CFU/M ³	10	1000CFU/M ³

Note : Limit based on: ADNOC-COPV3-07 Technical Guidelines note on indoor air quality & indoor environments for airborne biological agents.

Remarks :The tested results of the sample are found to be satisfactory within the specified limits.

Analyst	Reviewed By	Method Variation
SM	SM	None

Key Words :CFU-Colony Forming Unit; CCFRA-Camden Chorleywood Food Research Association.

Signed for and on behalf of Wimpey Laboratories



Dr. Suresh Murugan Ph.D

Senior Microbiologist

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MICROBIOLOGY AIR MONITORING TEST REPORT

Customer Details

Report No. WA-R-O-2004-0576

Crystalline Environmental Services



Request No.	: WA-Q-O-2004-0148	Sample No.	: WA-S-O-2004-0576
Sampling Date/time	: 14/4/2020 , 09:50	Report Date.	: 20/4/2020
Analysis Start Date.	: 14/4/2020	Analysis End Date.	: 19/4/2020
Sample Location.	: ADIA-BRC Building, Mussafah	Sampled By	: Jyothish Krishnan
Sample Identification	: M Floor Open Office	Sample Certificate No	: 0502
Sample Type	: Micro Air Quality Monitoring		

Parameters	Test Methods	Units	Results	Specification
TBC	CCFRA 1.1.1 5th Ed. 2007	CFU/M ³	13	1000CFU/M ³
Yeast and Mould	CCFRA 2.1.1 5th Ed. 2007	CFU/M ³	10	1000CFU/M ³

Note : Limit based on: ADNOC-COPV3-07 Technical Guidelines note on indoor air quality & indoor environments for airborne biological agents.

Remarks :The tested results of the sample are found to be satisfactory within the specified limits.

Analyst	Reviewed By	Method Variation
SM	SM	None

Key Words :CFU-Colony Forming Unit; CCFRA-Camden Chorleywood Food Research Association.

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Dr. Suresh Murugan Ph.D

Senior Microbiologist

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Test Report

Customer Details

Crystalline Environmental Services

Report No. WA-R-O-2004-0573



Request No.	: WA-Q-O-2004-0147	Sample No.	: WA-S-O-2004-0573
Sampling Date/time	: 14/4/2020 , 09:30	Report Date.	: 21/4/2020
Analysis Start Date.	: 14/4/2020	Analysis End Date.	: 14/4/2020
Sample Location.	: ADIA-BRC, Mussafah	Sampled By	: Jyothish Krishnan
Scope of work	: Indoor Air Quality Monitoring	Sample Identification	: CDD Room

Parameters	Test Methods	Units	Results	Specification
CARBON DIOXIDE	OTM: SECTION III-CHAPTER-02	ppm	841	30000 (STEL)
CARBON MONOXIDE	OTM: SECTION III-CHAPTER-02	ppm	3.7	25(TWA)
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 (TWA)
PARTICULATE MATTER (PM1.0))	ISO-21501-4:2018	µg/m3	2.81	NA
PARTICULATE MATTER (PM2.5).	ISO-21501-4:2018	µg/m3	5.29	NA
RSPM [PARTICULATE MATTER (PM10)]	ISO-21501-4:2018	µg/m3	38.36	NA
Temperature	BSEN 60079 - 29 - 2-2015	°C	25.8	NA
TOTAL SUSPENDED PARTICLES	ISO-21501-4:2018	µg/m3	61.86	NA
TVOC	OTM: SECTION III-CHAPTER-02	µg/m3	293	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.

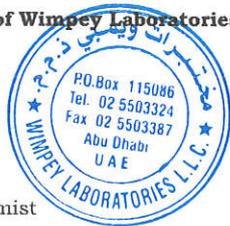
The Dust concentration is also under the limit as per the guidelines of given standards limit.

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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Test Report

Customer Details

Crystalline Environmental Services

Report No. WA-R-O-2004-0574



Request No.	: WA-Q-O-2004-0147	Sample No.	: WA-S-O-2004-0574
Sampling Date/time	: 14/4/2020 , 10:00	Report Date.	: 21/4/2020
Analysis Start Date.	: 14/4/2020	Analysis End Date.	: 14/4/2020
Sample Location.	: ADIA-BRC, Mussafah	Sampled By	: Jyothish Krishnan
Scope of work	: Indoor Air Quality Monitoring	Sample Identification	: M Floor Open Office

Parameters	Test Methods	Units	Results	Specification
CARBON DIOXIDE	OTM: SECTION III- CHAPTER-02	ppm	780	30000 (STEL)
CARBON MONOXIDE	OTM: SECTION III- CHAPTER-02	ppm	3.5	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	1.06	NA
PARTICULATE MATTER (PM2.5).	ISO-21501-4:2018	µg/m3	2.30	NA
RSPM [PARTICULATE MATTER (PM10)]	ISO-21501-4:2018	µg/m3	11.87	NA
Temperature	BSEN 60079 - 29 - 2-2015	°C	24.2	NA
TOTAL SUSPENDED PARTICLES	ISO-21501-4:2018	µg/m3	16.37	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

Signed for and on behalf of Wimpey Laboratories

Nishi Kumar Shukla



Nishi Kumar Shukla

Senior Environmental Chemist

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