


Test Report

Ref No	: ET/GMSCKIL/EPT-T&H/15-152
Enterprise	: GMS Composite Knitting Ind. Ltd.
Factory Address	: Shardagonj, Kashimpur, Gazipur, Bangladesh
Sample Description	: Temperature & Humidity Level (Indoor Assessment)
Sampling Time	: 02.00 PM- 4.00 PM
Sampling Date/Date of Test	: 31 st March, 2015
Reporting Date	: 05 th April, 2015
Sampling Meter Description	: A digital humidity/temperature meter was used to measure the temperature Level. Model: HT-3006A, Measuring range: Humidity 10% to 95% and Temperature 0°C to 50°C. Resolution: 0.1°C. Accuracy: 0.1% RH for humidity and 0.1°C for temperature.


Collected Data:

Serial No.	Name of Sections	Location	Obtained Result	
			Temperature (°C)	Relative Humidity (%)
1	Dining room	6 th Floor B ₁	27.0	66.5
2	Printing section 2	5 th Floor B ₁	29.0	59.1
3	Printing section 1	4 th Floor B ₁	30.1	57.1
4	Accessories store	3 rd Floor B ₁	29.5	57.8
5	Office room	2 nd Floor B ₁	A.C controlled	
6	Medical center		A.C controlled	
7	Store room	1 st Floor B ₁	28.0	60.7
8	Embroidery section	Ground Floor B ₁	A.C controlled	
9	Cutting section	5 th Floor B ₂	27.4	65.5
10	Printing section	4 th Floor B ₂	29.4	61.4
11	Sewing section-B	3 rd Floor B ₂	29.3	61.1
12	Sewing section-A	2 nd Floor B ₂	29.5	60.5
13	Finishing section	1 st Floor B ₂	30.5	59.4
14	Dyeing section	Ground Floor B ₂	31.1	60.9

Note: B₁= Building 1, B₂= Building 2


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Collected Data:

Serial No.	Name of Sections	Location	Obtained Result	
			Temperature (°C)	Relative Humidity (%)
15	Sewing section-E	5 th Floor B ₃	30.1	59.8
16	Cutting section	4 th Floor B ₃	29.9	59.1
17	Sample section		29.7	59.4
18	Sample section	3 rd Floor B ₃	29.9	58.7
19	Office room		A.C controlled	
20	Finishing section	2 nd Floor B ₃	30.0	62.0
21	Dining room	1 st Floor B ₃	31.2	57.2
22	Office room		A.C controlled	
23	Dyeing Finishing	Ground Floor B ₃	31.1	58.6
24	Dining room	6 th Floor B ₄	30.5	56.4
25	Cutting section	5 th Floor B ₄	30.3	58.1
26	Sewing section-D	4 th Floor B ₄	30.8	57.4
27	Sewing section-C	3 rd Floor B ₄	30.9	56.7
28	Quality table	2 nd Floor B ₄	30.8	55.8
29	Finishing section		31.1	56.1
30	Yarn dyeing section	1 st Floor B ₄	31.3	56.8
31	Yarn store		30.9	56.1
32	Yarn dyeing section	Ground Floor B ₄	31.0	57.0
33	Chemical store		30.1	58.6

Note: B₃= Building 3, B₄= Building 4

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Collected Data:

Serial No.	Name of Sections	Location	Obtained Result	
			Temperature (°C)	Relative Humidity (%)
34	Wet lab	3 rd Floor B ₅	A.C controlled	
35	Testing lab room		A.C controlled	
36	Testing lab room	2 nd Floor B ₅	A.C controlled	
37	Office room	1 st Floor B ₅	A.C controlled	
38	Dyeing finishing	Ground Floor B ₅	31.6	55.8
39	Chemical store		31.4	58.6
40	Dyeing (Batch)	Shed	31.5	58.5
41	Dyeing (Wash)	Shed	30.6	58.1
42	Dyeing (Old)	Shed	32.1	55.4
43	Dyeing finishing	Shed	31.2	55.9
44	Boiler room	Shed	33.5	53.5
45	Generator room	Shed	32.8	57.5
46	Childcare room	Shed	30.5	59.6
47	Medical room	Shed	30.4	59.9
48	Canteen	Shed	30.7	58.9
49	Dining room	6 th Floor B _{6A}	31.4	56.9
50	Cutting section	5 th Floor B _{6A}	30.3	57.6
51	Sewing section-G	4 th Floor B _{6A}	29.8	59.6
52	Sewing section-F	3 rd Floor B _{6A}	29.3	60.8
53	QC table (Sewing)		29.1	60.1
54	Finishing section	2 nd Floor B _{6A}	29.1	60.5
55	QC table (Finishing)		29.3	60.9
56	Knitting section	1 st Floor B _{6A}	29.3	63.6
57	Fabric store	Ground Floor B _{6A}	28.6	65.1

Note: B₅= Building 5, B_{6A}= Building 6A, Shed


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Collected Data:

Serial No.	Name of Sections	Location	Obtained Result	
			Temperature (°C)	Relative Humidity (%)
58	Dining room	6 th Floor B _{6B}	31.5	56.8
59	Cutting section	5 th Floor B _{6B}	31.2	57.5
60	Sewing section-I	4 th Floor B _{6B}	29.9	60.2
61	Sewing section-H	3 rd Floor B _{6B}	30.3	59.5
62	QC table (Sewing)		29.2	62.5
63	Finishing section	2 nd Floor B _{6B}	30.5	62.1
64	QC table (Finishing)		30.2	61.5
65	Knitting section	1 st Floor B _{6B}	30.8	61.9
66	Knitting section	Ground Floor B _{6B}	30.4	62.1

Note: B_{6B} = Building 6B

Comment: The result of the workplace Temperature Level ranges between 27.0°C to 33.5°C and Humidity level ranges between 53.5 % RH to 66.5% RH. The highest temperature level measured is 33.5°C in Boiler room (Shed) and the lowest temperature level measured is 27.0°C in Dining room (6th floor B₁). The highest humidity level measured is 66.5 % RH in Dining room (6th floor B₁) and the lowest humidity level measured is 53.5% RH in Boiler room (Shed).

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Graphical Presentation of the Result for Building 1 & 2:

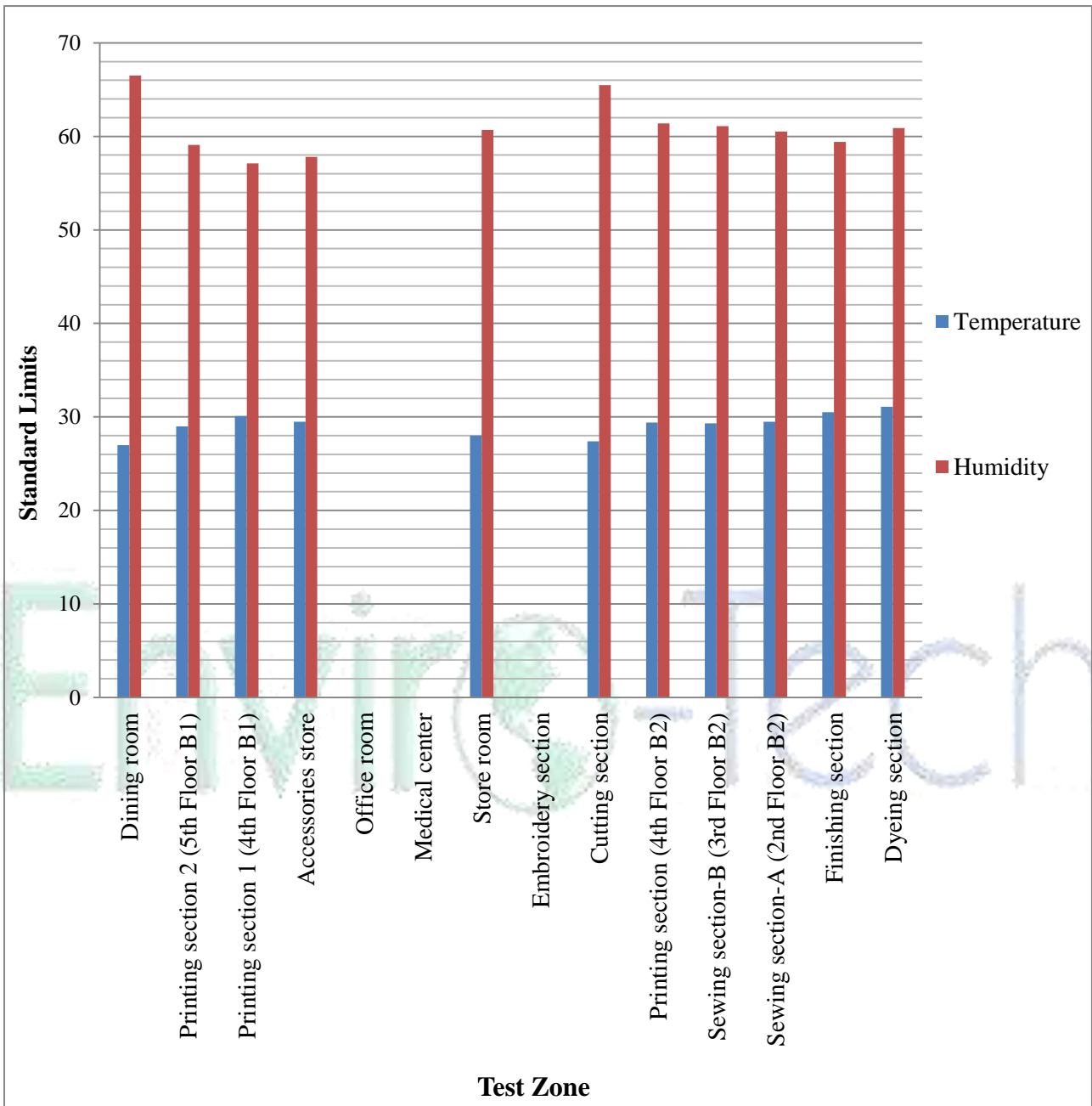


Figure: Graphical Presentation of the Temperature & Humidity Level Measurement Test Result

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Graphical Presentation of the Result for Building 3 & 4:

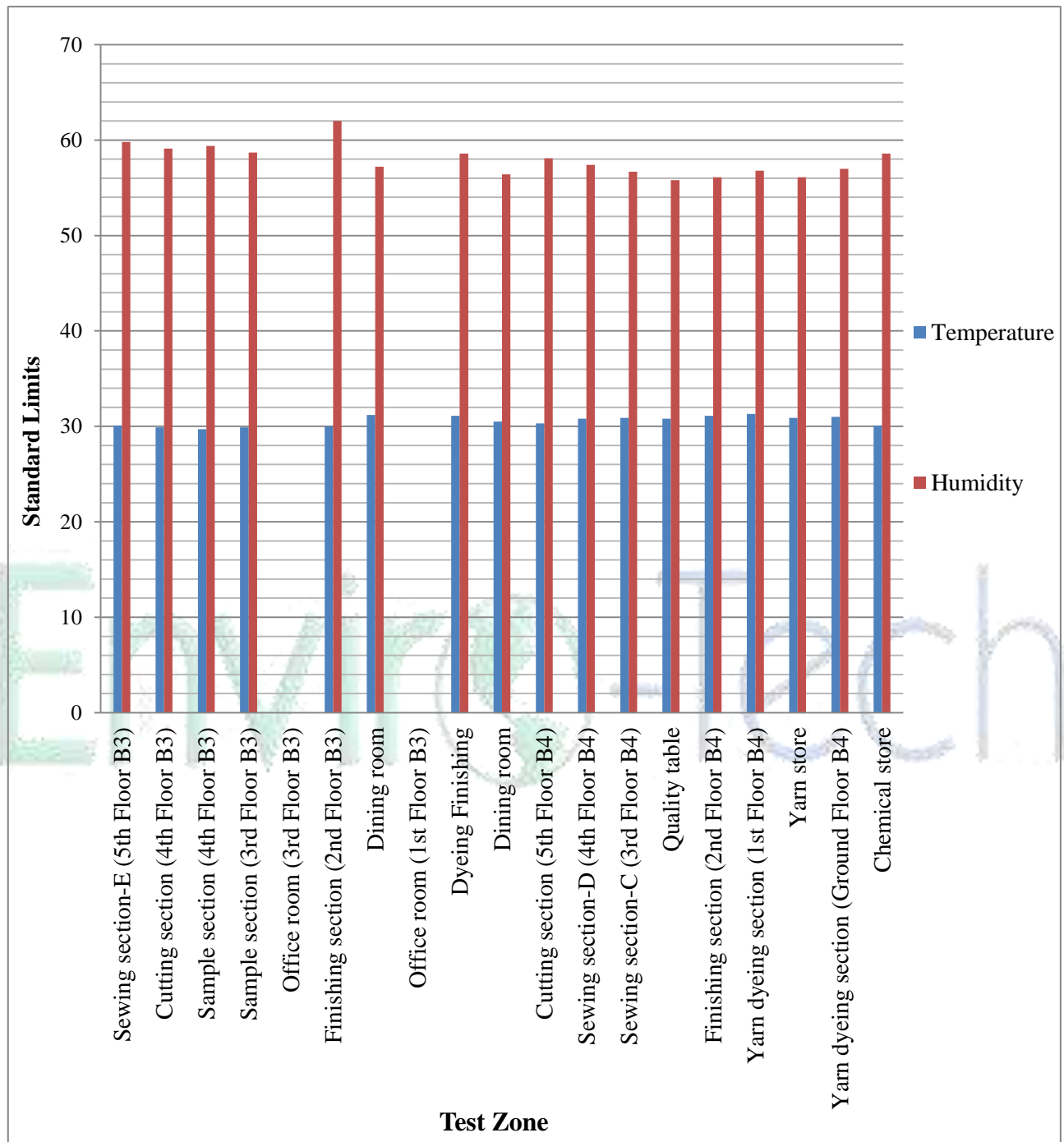


Figure: Graphical Presentation of the Temperature & Humidity Level Measurement Test Result

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Graphical Presentation of the Result for Building 5, 6A & Shed:

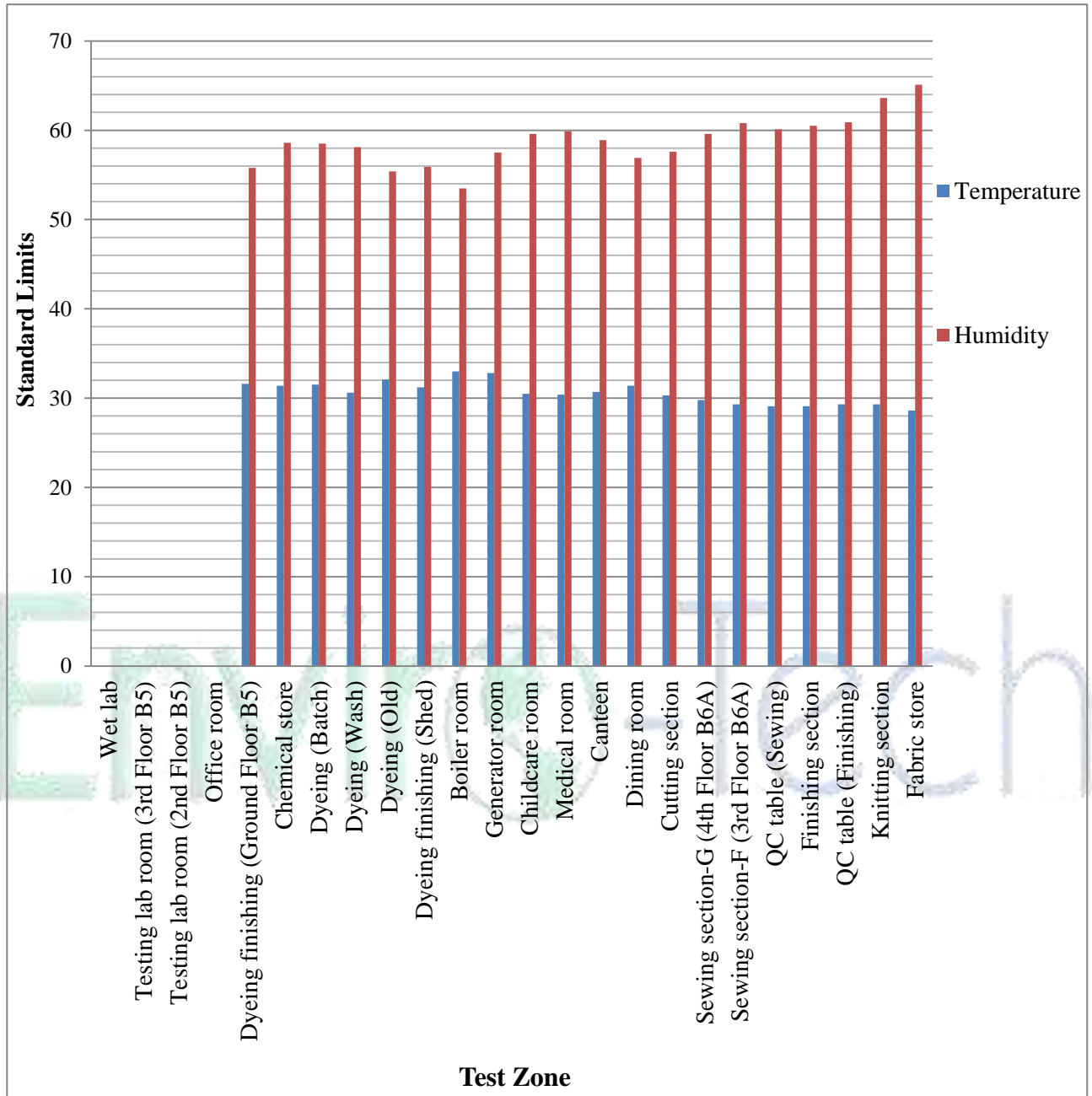


Figure: Graphical Presentation of the Temperature & Humidity Level Measurement Test Result

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Graphical Presentation of the Result for Building 6B:

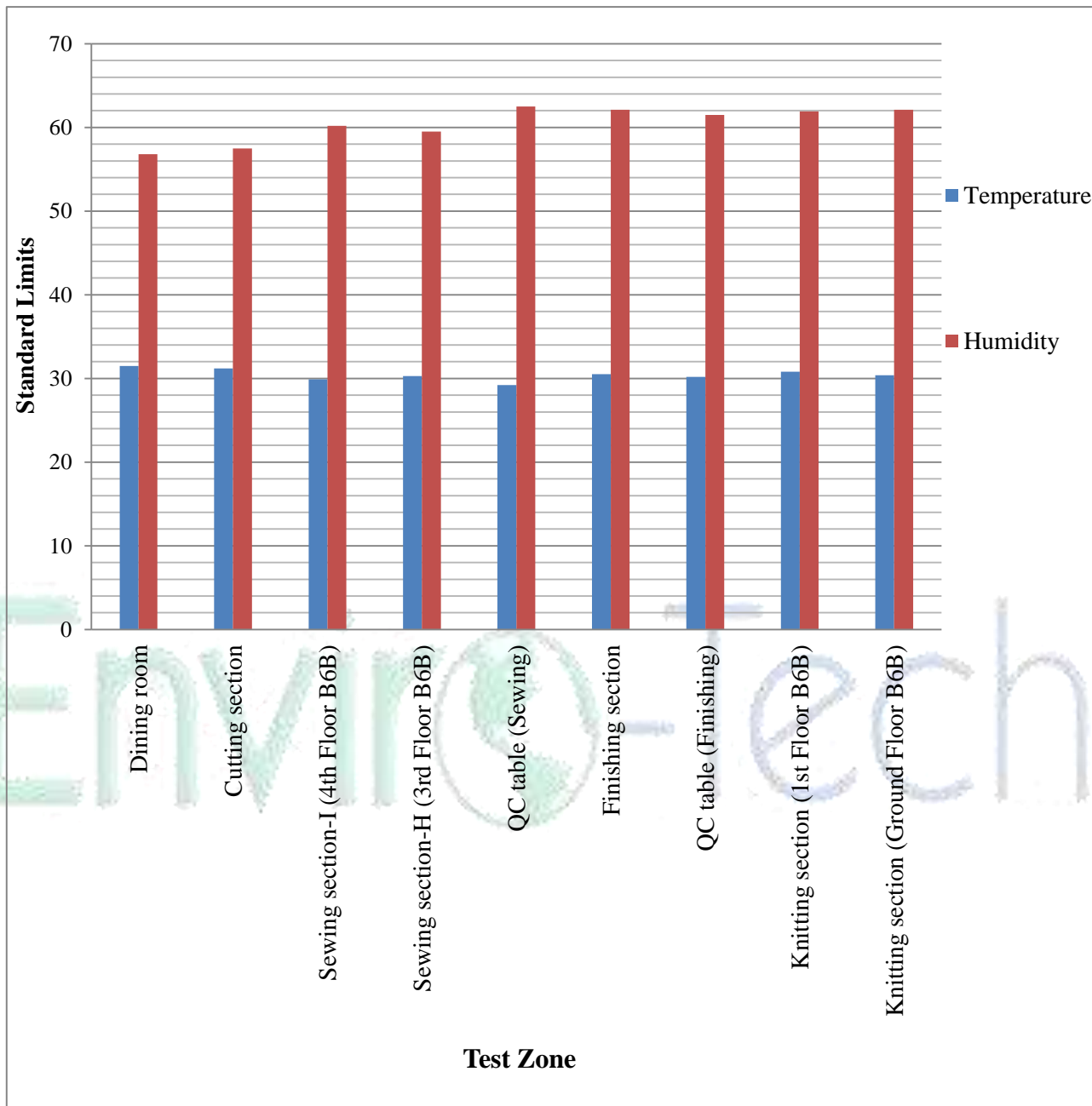


Figure: Graphical Presentation of the Temperature & Humidity Level Measurement Test Result

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