

Appendix A: Raw data tables

Table A1 Monthly Defects per Hundred Units (DHU) by factory group (August – October 2025)

Note: Weekend days are not included in the Sequential Day (SI No) count.DHU									
Date wise SI No	AR-Tex Composite with Traffic light process control			NR Knitting Mills Ltd with Traffic light process control			NRG Knit Composite without process control		
	August	September	October	August	September	October	August	September	October
1	7.03%	5.06%	4.94%	7.12%	5.31%	4.91%	8.90%	8.56%	8.12%
2	7.27%	5.63%	5.01%	7.07%	5.11%	5.04%	8.76%	8.54%	8.56%
3	7.54%	7.73%	5.96%	7.20%	6.42%	5.86%	8.92%	8.52%	8.75%
4	6.14%	7.51%	5.26%	6.80%	6.71%	5.23%	7.90%	8.32%	8.84%
5	6.11%	7.92%	5.83%	6.92%	6.51%	5.72%	8.96%	8.75%	9.12%
6	6.17%	8.20%	6.02%	6.52%	7.12%	5.92%	9.12%	8.20%	9.11%
7	6.66%	5.23%	5.03%	6.34%	5.23%	5.03%	9.31%	8.10%	9.00%
8	5.19%	5.30%	5.52%	6.80%	5.30%	5.52%	9.25%	7.90%	9.24%
9	5.61%	5.16%	5.01%	6.21%	5.16%	5.01%	9.53%	7.23%	9.52%
10	5.19%	5.65%	5.67%	6.00%	5.65%	5.61%	9.62%	8.51%	9.04%
11	5.83%	5.39%	5.38%	5.83%	5.39%	5.38%	9.12%	8.31%	8.57%
12	5.80%	5.35%	5.28%	5.80%	5.35%	5.28%	9.05%	8.27%	8.62%
13	5.70%	5.21%	5.60%	5.70%	5.21%	5.60%	8.93%	8.30%	8.92%
14	5.63%	5.16%	5.20%	5.63%	5.16%	5.31%	8.91%	8.36%	9.21%
15	5.66%	5.40%	5.00%	5.66%	5.40%	5.00%	8.74%	8.51%	8.50%
16	5.62%	6.14%	5.10%	5.62%	6.14%	5.10%	8.25%	7.91%	8.55%
17	5.73%	5.64%	4.65%	5.73%	5.64%	4.65%	8.63%	7.52%	8.35%
18	5.72%	5.66%	4.50%	5.72%	5.66%	4.50%	8.56%	8.13%	8.24%
19	5.50%	6.11%	4.35%	5.50%	5.23%	4.35%	8.52%	8.37%	8.18%
20	5.59%	5.40%	4.39%	5.59%	5.12%	4.39%	8.41%	8.51%	8.15%
21	4.60%	5.67%	4.21%	5.21%	5.02%	4.21%	8.21%	8.23%	8.15%
22	4.65%	5.23%	4.33%	5.31%	4.90%	4.33%	7.91%	8.00%	8.24%
23	5.60%	5.10%	4.10%	5.22%	4.92%	4.10%	7.95%	7.90%	7.90%
24	5.93%	4.50%	3.90%	5.42%	4.50%	4.21%	8.23%	8.11%	7.23%

25	5.71%	4.16%	3.75%	5.41%	4.16%	4.09%	8.27%	8.05%	7.21%
26	0.00%	4.50%	3.52%	0.00%	4.50%	4.05%	0.00%	8.17%	7.45%
Average	5.62%	5.69%	4.90%	5.78%	5.42%	4.94%	8.38%	8.20%	8.49%

Table A2 Monthly average DHU (%) by factory group

Time	Group 1: AR-TeX (TLS)	Group 2: NRK (TLS)	Group 3: NRG Knit (No TLS)
August	5.62%	5.78%	8.38%
September	5.51%	5.42%	8.20%
October	4.90%	4.94%	8.49%

Table A3 Two-Factor ANOVA without replication results for DHU

Anova: Two-Factor Without Replication						
<i>SUMMARY</i>	<i>Count</i>	<i>Sum</i>	<i>Average</i>	<i>Variance</i>		
Row 1	3	0.197873077	0.065957692	0.000240222		
Row 2	3	0.191247929	0.06374931	0.000250859		
Row 3	3	0.183338462	0.061112821	0.000424814		
Column 1	3	0.160321006	0.053440335	1.48477E-05		
Column 2	3	0.161365385	0.053788462	1.78901E-05		
Column 3	3	0.250773077	0.083591026	2.11782E-06		
ANOVA						
<i>Source of Variation</i>	<i>SS</i>	<i>df</i>	<i>MS</i>	<i>F</i>	<i>P-value</i>	<i>F crit</i>
Rows	3.53008E-05	2	1.76504E-05	2.051751634	0.243654457	6.94427191
Columns	0.001797378	2	0.000898689	104.4671036	0.000352882	6.94427191
Error	3.44104E-05	4	8.6026E-06			
Total	0.001867089	8				