

Problem 4-9
Speciatronics
Process Data

3.4241	3.1500	4.2700	4.7500	3.7712	3.7222	3.9693	4.2100	3.7372	2.9244
2.7614	4.0400	3.7600	3.3800	3.9052	3.8841	3.1841	3.0389	4.0814	3.6797
3.4380	3.5000	3.2600	4.1600	4.5165	3.5836	3.0613	2.6684	3.2231	3.2930
2.7929	3.9200	3.2925	2.9400	3.4145	3.1548	3.1951	3.3722	3.9073	3.2287

USL 5.2500
LSL 1.7500

Mean 3.5279
Midpoint 3.5
StdDev 0.504243

Cp 1.156849
CpU 1.138403
CpL 1.175294

CpK 1.138403

Because both the Cp and Cpk are less than 1.33, the process is not capable of performing between the specification limits