

GILLASPIE MFG. INC.

PROCESS CAPABILITY STUDY WORK SHEET

Date: 11/7/2019

Tool #

Part #

Customer:

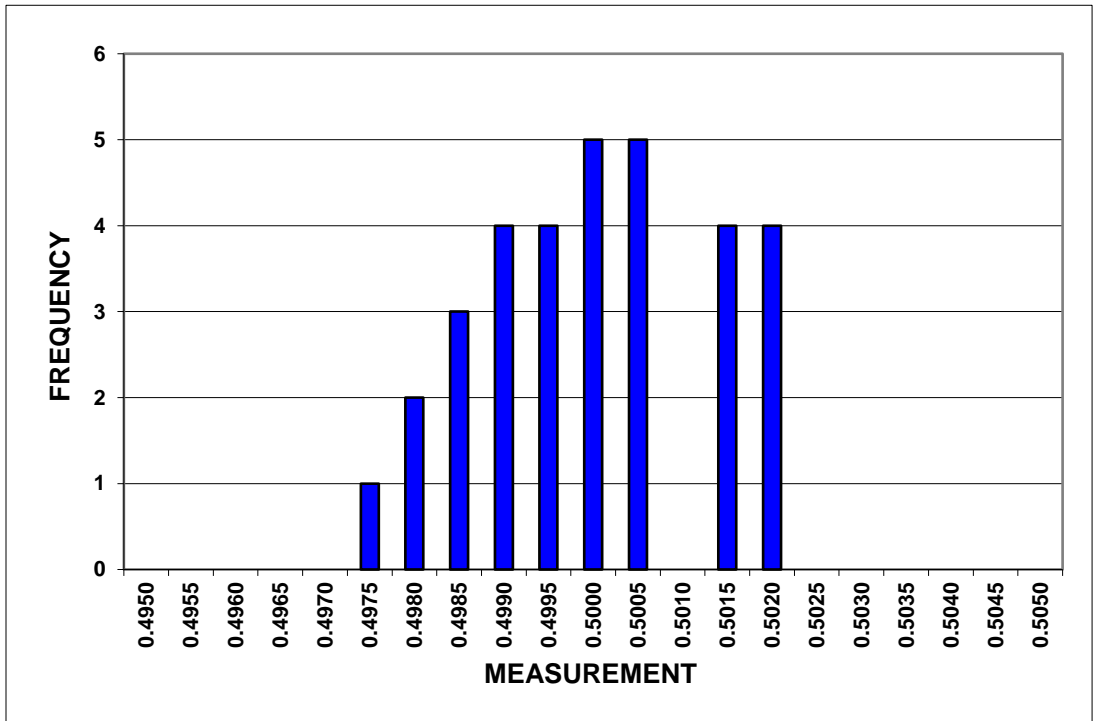
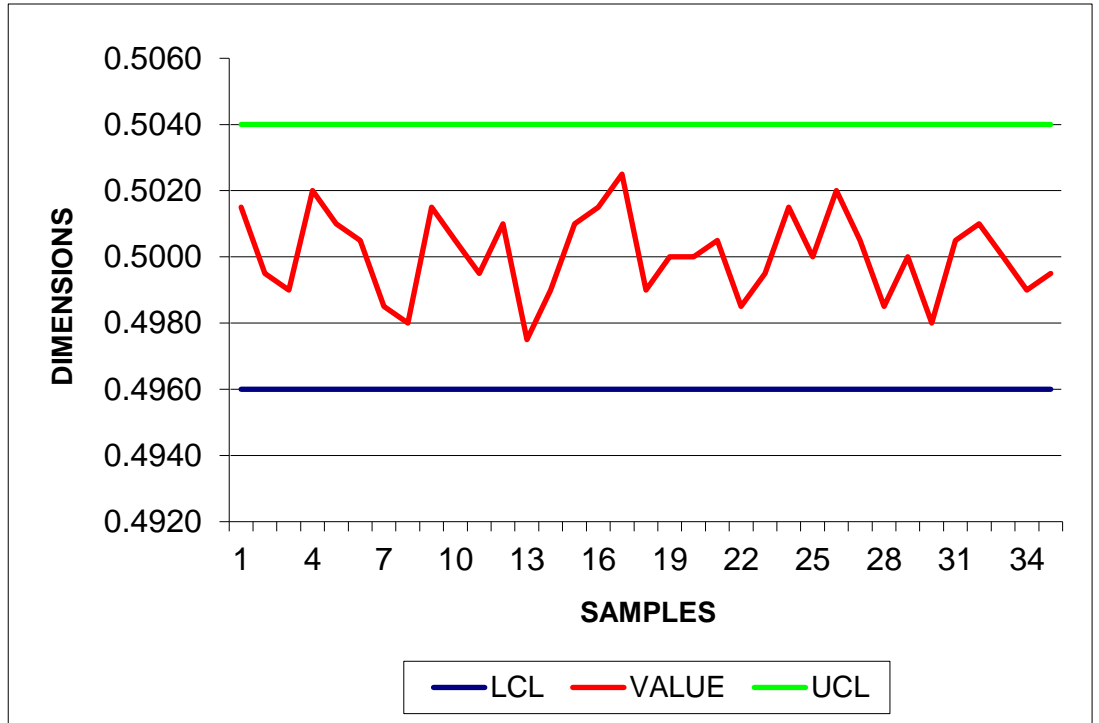
Inspector:

PROCESS PASS -

PASS = CPK >=1

SPECIFICATION Dimension: Tolerance +/-:
 Lower Control Limit @ 80% Tolerance Nominal Upper Control Limit @ 80% Tolerance
 LCL: UCL:

| # | LCL | VALUE | UCL |
|----|--------|--------|--------|
| 1 | 0.4960 | 0.5015 | 0.5040 |
| 2 | 0.4960 | 0.4995 | 0.5040 |
| 3 | 0.4960 | 0.4990 | 0.5040 |
| 4 | 0.4960 | 0.5020 | 0.5040 |
| 5 | 0.4960 | 0.5010 | 0.5040 |
| 6 | 0.4960 | 0.5005 | 0.5040 |
| 7 | 0.4960 | 0.4985 | 0.5040 |
| 8 | 0.4960 | 0.4980 | 0.5040 |
| 9 | 0.4960 | 0.5015 | 0.5040 |
| 10 | 0.4960 | 0.5005 | 0.5040 |
| 11 | 0.4960 | 0.4995 | 0.5040 |
| 12 | 0.4960 | 0.5010 | 0.5040 |
| 13 | 0.4960 | 0.4975 | 0.5040 |
| 14 | 0.4960 | 0.4990 | 0.5040 |
| 15 | 0.4960 | 0.5010 | 0.5040 |
| 16 | 0.4960 | 0.5015 | 0.5040 |
| 17 | 0.4960 | 0.5025 | 0.5040 |
| 18 | 0.4960 | 0.4990 | 0.5040 |
| 19 | 0.4960 | 0.5000 | 0.5040 |
| 20 | 0.4960 | 0.5000 | 0.5040 |
| 21 | 0.4960 | 0.5005 | 0.5040 |
| 22 | 0.4960 | 0.4985 | 0.5040 |
| 23 | 0.4960 | 0.4995 | 0.5040 |
| 24 | 0.4960 | 0.5015 | 0.5040 |
| 25 | 0.4960 | 0.5000 | 0.5040 |
| 26 | 0.4960 | 0.5020 | 0.5040 |
| 27 | 0.4960 | 0.5005 | 0.5040 |
| 28 | 0.4960 | 0.4985 | 0.5040 |
| 29 | 0.4960 | 0.5000 | 0.5040 |
| 30 | 0.4960 | 0.4980 | 0.5040 |
| 31 | 0.4960 | 0.5005 | 0.5040 |
| 32 | 0.4960 | 0.5010 | 0.5040 |
| 33 | 0.4960 | 0.5000 | 0.5040 |
| 34 | 0.4960 | 0.4990 | 0.5040 |
| 35 | 0.4960 | 0.4995 | 0.5040 |



CAPABILITY VALUES

| | |
|-----------------------|---------|
| Sample Size = | 35 |
| X-BAR (Mean) = | 0.5001 |
| 1 Sigma (Std. Dev.) = | 0.00126 |
| 2 Sigma (Std. Dev.) = | 0.00253 |
| 3 Sigma (Std. Dev.) = | 0.00379 |
| UCL = | 0.5039 |
| LCL = | 0.4963 |
| MAX. VALUE = | 0.5025 |
| MIN. VALUE = | 0.4975 |
| R (Range) = | 0.0050 |
| CP = | 1.32 |
| CPK = | 1.30 |