

## Bias study Report for Gage ID: Demo\_01

Gage ID	Demo_01	Part No. / Name	-	Historical Proc. Std. Dev.	-	Study Date	19/02/2016
Gage Type	Micrometer	Characteristic	-	Confidence	95%	Alpha Level	0.05
Resolution	0.001	Study By	-	Total Tolerance	-	Coverage	99.73% (6 * Sigma)
Reference Value	6.0	Readings	15		-		-

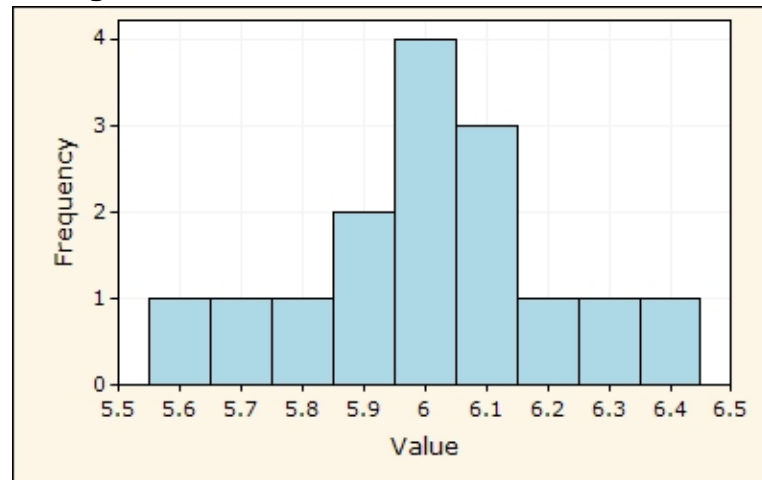
## Bias Data

Readings	Value	Bias
1	5.8	-0.200000
2	5.7	-0.300000
3	5.9	-0.100000
4	5.9	-0.100000
5	6.0	0.000000
6	6.1	0.100000
7	6.0	0.000000
8	6.1	0.100000
9	6.4	0.400000
10	6.3	0.300000
11	6.0	0.000000
12	6.1	0.100000
13	6.2	0.200000
14	5.6	-0.400000
15	6.0	0.000000

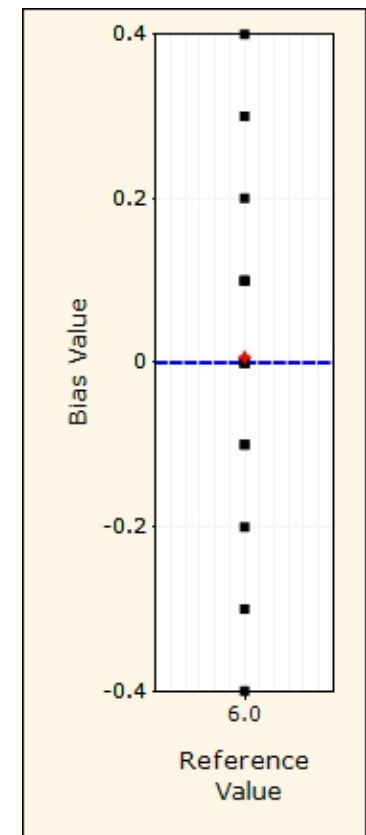
## Result

n	Mean	Repeatability Std. Dev.	Std. Error of Mean	Significant t Value (2 tailed)		95 % Confidence Interval of the Bias	
15	6.006667	0.212020	0.054743	2.144787		Lower	Upper
df	Average of Bias	t Statistics	P-Value	EV % Tol	EV % Proc	-0.110746	0.124079
14	0.006667	0.121781	0.900	NA	NA		

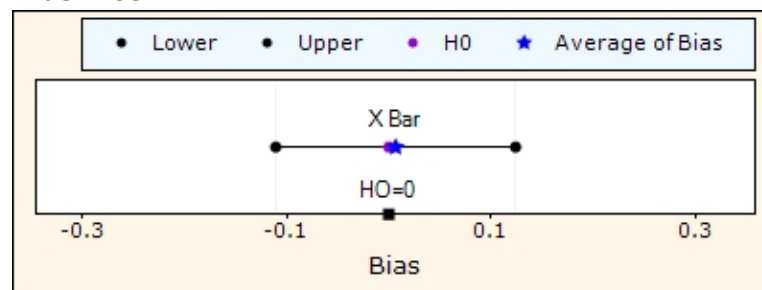
## Histogram



## Scatter Plot



## Bias Plot



Bias is Acceptable.