

## STATISTICAL CAPABILITY ANALYSIS

PRODUCTION PART APPROVAL PROCESS | PPAP SUBMISSION

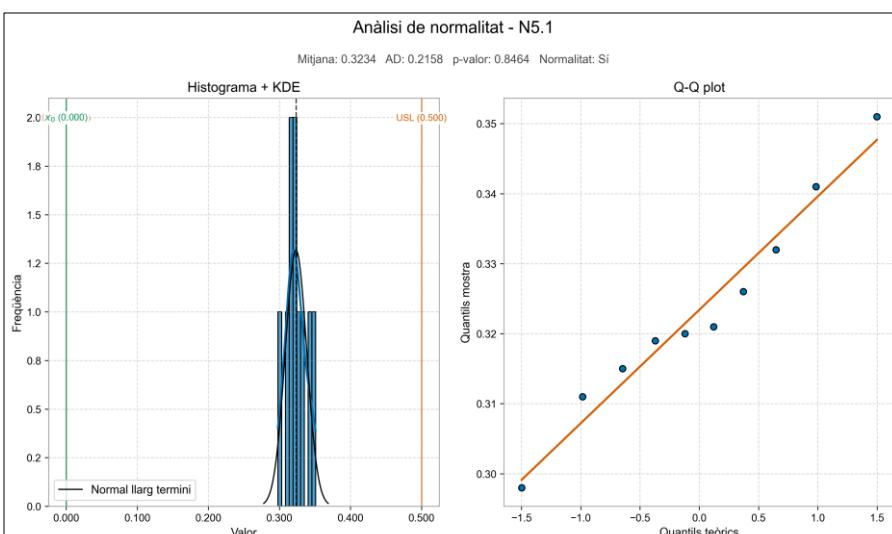
Client:	ZF	Part Description:	Anchor Bracket
Reference:	A027Y915	Drawing Number:	E0095656689
Batch Number:	PRJ1234567	Measuring instrument	Optical Measurement System
Cavity	1	Dimension Class:	sc
Inspection	Quality Lab 1   According methodology ITM-1	Facility:	SOME Manufacturing Facility

## ELEMENT: N5.1

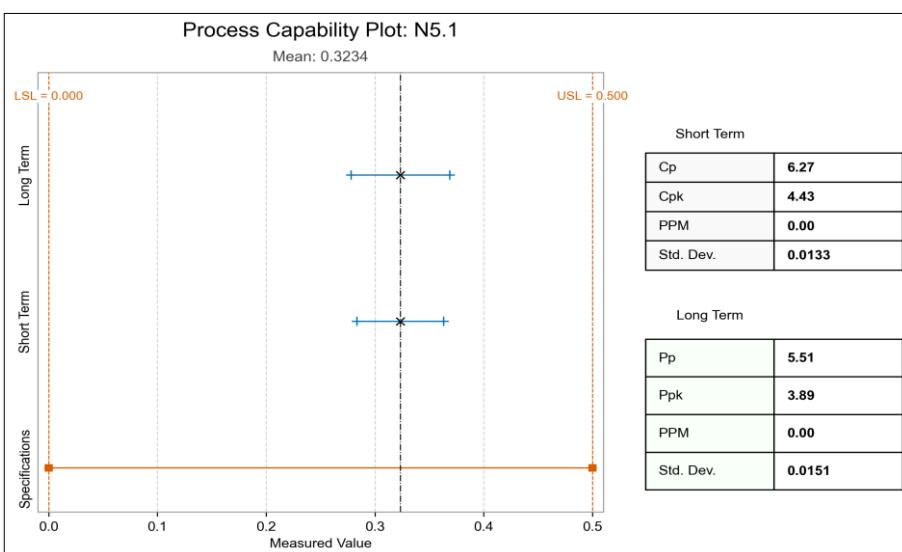
STATISTICAL SUMMARY			
Sample Size (n)	10	Process Capability (Cp)	6.267
Mean ( $\bar{x}$ )	0.3234	Process Capability (Cpk)	4.427
Nominal Value	0.0	Process Performance (Pp)	5.510
Tolerance Range	[0.0, 0.5]	Process Performance (Ppk)	3.892
Short-term Std Dev ( $\sigma_{st}$ )	0.0133	Anderson-Darling p-value	0.8464
Long-term Std Dev ( $\sigma_{lt}$ )	0.0151	Anderson-Darling Statistic	0.2158

## STATISTICAL CONTROL CHARTS

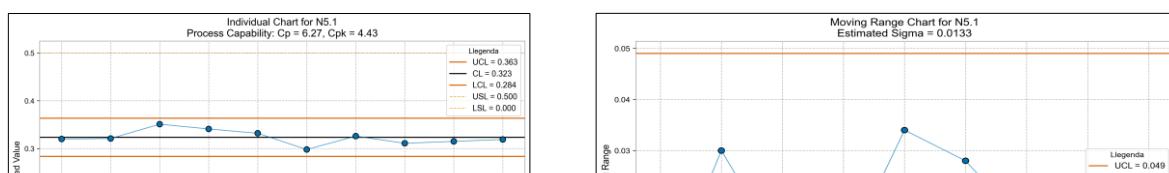
Process Capability Chart



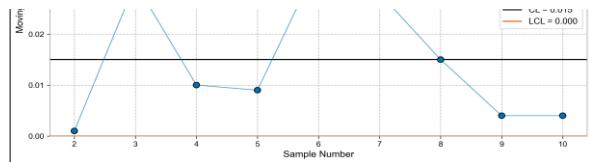
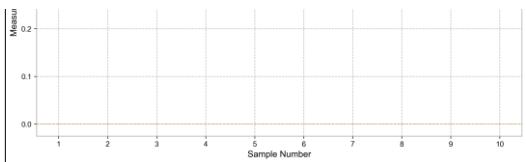
Normality Analysis



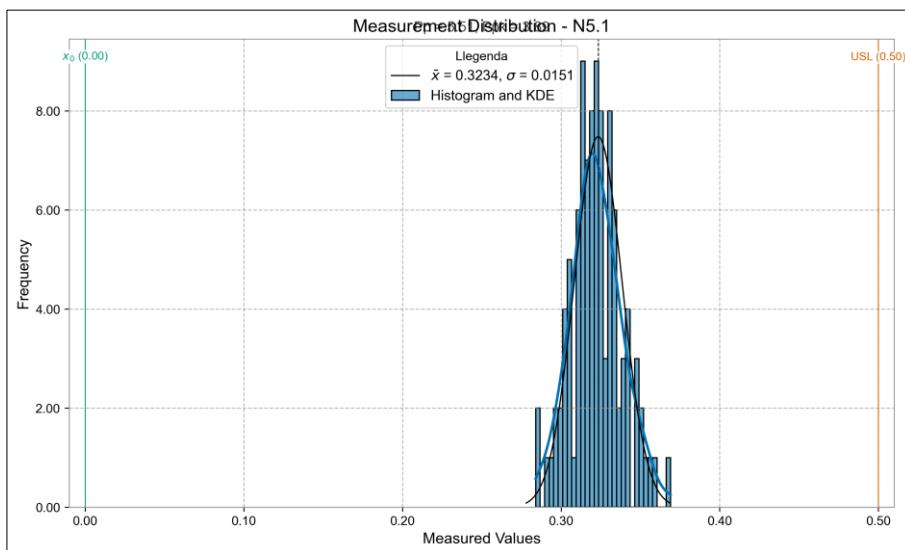
Individual Values Chart (I-Chart) | Moving Range Chart (MR-Chart)



## Statistical Capability Analysis Report



### Distribution Analysis



### NOTES

Date:	PROJECT LEADER:	Responsible:
2025-08-05		