

FREQUENCY DISTRIBUTION ANALYSIS SHEET

SIEMENS-ALLIS

SUPPLIER		CHARACTERISTIC		PART NAME		REPORT NO.																																																																																																													
P.O. NO.		SPEC. LIMIT		PART NO.		LOT, HEAT, SERIAL NO.																																																																																																													
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SIEMENS-ALLIS

FREQUENCY DISTRIBUTION ANALYSIS SHEET

SUPPLIER	CHARACTERISTIC	PART NAME	REPORT NO.
P.O. NO.	SPEC. LIMIT	PART NO.	LOT, HEAT, SERIAL NO.

1	2	3	4	5	6	7	8	9	10
CELL BOUNDARIES HIGH TO LOW	CELL MIDPOINTS HIGH TO LOW	TALLY	f	ACCUM. f	PERCENTAGE OVER	PERCENTAGE UNDER	Z SCALE	CONF. LEVEL	
CELL = 0.2		11	0						
		10	0						
		9	0						
		8	0						
		7	0						
		6	0						
		5	0						
		4	0						
		3	0						
		2	0						
		1	0						
FDAS ESTIMATE			CONF. LEVEL						
FDAS ESTIMATE			UPPER						
FDAS ESTIMATE			LOWER						
FDAS ESTIMATE			CONF. LEVEL						
\bar{x}			%	UCL _s					
σ			%	UCL _s					
F _{USL}			%	UCL _s					
F _{LSL}			%	UCL _s					
PERCENTAGE BETWEEN LTL & UTL			CONF. LEVEL						
PERCENTAGE BETWEEN LTL & UTL			UPPER						
PERCENTAGE BETWEEN LTL & UTL			LOWER						
PERCENTAGE BETWEEN LTL & UTL			%						
PERCENTAGE BETWEEN LTL & UTL			< UTL						
PERCENTAGE BETWEEN LTL & UTL			> LTL						
PERCENTAGE BETWEEN LTL & UTL			DATE						

3 TOTAL	99.9998	99.5	99	98	95	90	85	80	75	70	65	60	50	40	30	20	15	10	5	2	1	0.5	0.2	0.1	
2 X TOTAL	UCL _s	UCL _s	UCL _s	UCL _s	UCL _s	UCL _s	UCL _s	UCL _s	UCL _s	UCL _s	UCL _s	UCL _s	UCL _s	UCL _s	UCL _s	UCL _s	UCL _s	UCL _s	UCL _s	UCL _s	UCL _s	UCL _s	UCL _s	UCL _s	UCL _s

ONE SIDED

\bar{x}

TWO SIDED

ONE SIDED

σ

TWO SIDED

ONE SIDED

TWO SIDED

TOI

3 σ CONTROL LIMITS

DIRECT READING SIGMA SCALE (IN CELLS)

95% CONFIDENCE, 95X95% TOLERANCE AND 3 σ CONTROL LIMIT SCALES

Z SCALE

PERCENTAGE UNDER

PERCENTAGE OVER

UCL_s

UCL_s

LCL_s

FREQUENCY DISTRIBUTION ANALYSIS SHEET

SIEMENS-ALLIS

SUPPLIER		CHARACTERISTIC		PART NAME		REPORT NO.	
P.O. NO.		SPEC. LIMIT		PART NO.		LOT, HEAT, SERIAL NO.	

1	CELL BOUNDARIES HIGH TO LOW	TALLY	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
1		0																	

CELL INTERVAL	FDAS ESTIMATE	CONFIDENCE LIMITS UPPER	CONFIDENCE LIMITS LOWER	CONF LEVEL	TOTAL	2 X TOTAL	LCL ₁	LCL ₂	LCL ₃	LCL ₄	LCL ₅
$n =$											

TOL	TOLERANCE LIMITS UPPER	TOLERANCE LIMITS LOWER	CONF LEVEL	ANALYST	DATE

PERCENTAGE BETWEEN LTL & UTL	< UTL	> LTL	UCL ₁	UCL ₂	UCL ₃	UCL ₄	UCL ₅

DIRECT READING SIGMA SCALE (IN CELLS)	Z SCALE	PERCENTAGE UNDER	Z SCALE

95% CONFIDENCE, 95X95% TOLERANCE AND 3 σ CONTROL LIMIT SCALES	ONE SIDED	TWO SIDED	ONE SIDED	TWO SIDED	ONE SIDED	TWO SIDED

