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PASIÓN POR EDUCAR

Materia: Control de calidad

Cuatrimestre: 7to

Nombre del trabajo: Control de calidad

Chiapas 02 de Diciembre del 2023

UNA FABRICA DE ALIMENTOS DICE QUE SU ALIMENTO TIENE EL 30% DE PROTEINA , EL MUETREO SE REALIZO POR 1!

DIAS	M1	M2	M3	M4	M5	M6	M7
1	29.5	28.5	28	30	28	30	29
2	28	27	27.5	26.5	26	27	30
3	27.5	26	26.5	27	27	25.5	27
4	28	30	28	31	29	28	25
5	27	26	27	27	26.5	26	30
6	29	29	30	28.5	27	28	28
7	30	28	31	28.5	29	28.5	29
8	31	27.5	29	28	30	29	27
9	29	28	30	27	28	27	26.5
10	27	28.5	27	29	27	28	29
11	29	29	27	29	30	28	28.5
12	32	30	31	29	28	29	26
13	28	30.5	29	29.5	31	31	30
14	29	29.6	31	30	29	28	29
15	27	30	28	31	30	29	30

X-BAR , R CHART	
\bar{x} Chart Control Limits	
UCL =	$\bar{\bar{x}} + A_2 \bar{R}$
LCL =	$\bar{\bar{x}} - A_2 \bar{R}$
R Chart Control Limits	
UCL =	$D_4 \bar{R}$
LCL =	$D_3 \bar{R}$

A2	D3	D4
0.419	0.0758	1.9242

CARTAX	
UCL	-0.04683333
X BAR	-1.51333333
LCL	-2.97983333

CARTA R	
UCL	6.7347
R BAR	3.5
LCL	0.2653

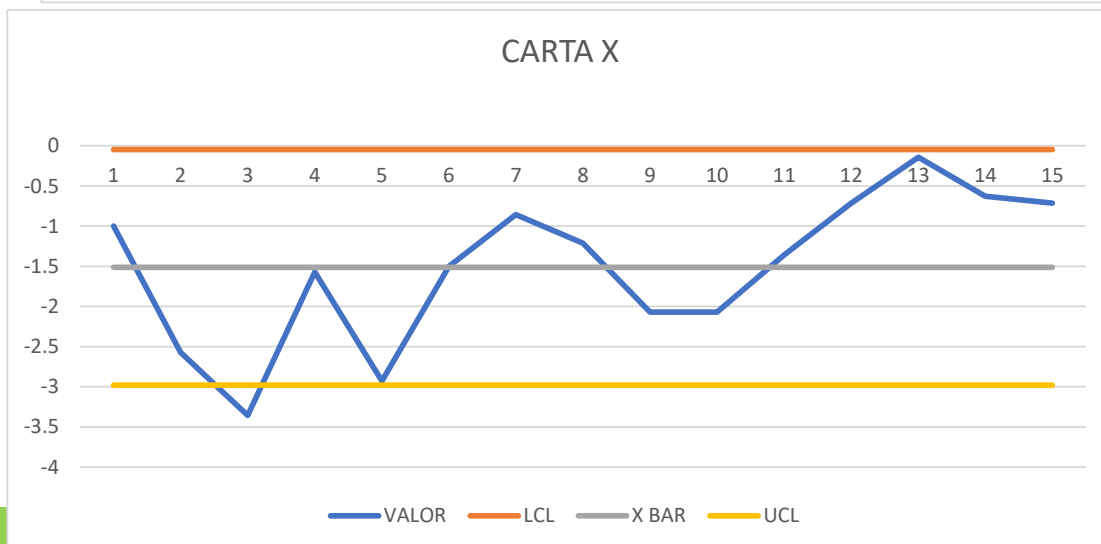
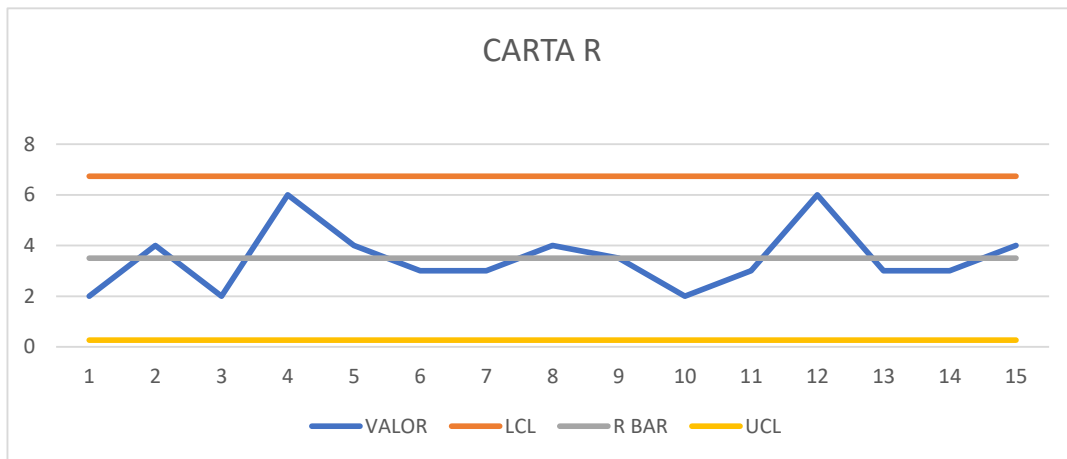
CARTA X			
VALOR	LCL	X BAR	UCL
-1	-0.04683333	-1.51333333	-2.97983333
-2.57142857	-0.04683333	-1.51333333	-2.97983333
-3.35714286	-0.04683333	-1.51333333	-2.97983333
-1.57142857	-0.04683333	-1.51333333	-2.97983333
-2.92857143	-0.04683333	-1.51333333	-2.97983333
-1.5	-0.04683333	-1.51333333	-2.97983333
-0.85714286	-0.04683333	-1.51333333	-2.97983333
-1.21428571	-0.04683333	-1.51333333	-2.97983333
-2.07142857	-0.04683333	-1.51333333	-2.97983333
-2.07142857	-0.04683333	-1.51333333	-2.97983333
-1.35714286	-0.04683333	-1.51333333	-2.97983333
-0.71428571	-0.04683333	-1.51333333	-2.97983333
-0.14285714	-0.04683333	-1.51333333	-2.97983333
-0.62857143	-0.04683333	-1.51333333	-2.97983333
-0.71428571	-0.04683333	-1.51333333	-2.97983333

OSCAR OMEL LOPEZ OSORIO

5 DIAS Y SE TOMO 7 MUESTRAS

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DIAS	M 1	M 2	M 3	M 4	M 5	M 6	M 7
1	-0.5	-1.5	-2	0	-2	0	-1
2	-2	-3	-2.5	-3.5	-4	-3	0
3	-2.5	-4	-3.5	-3	-3	-4.5	-3
4	-2	0	-2	1	-1	-2	-5
5	-3	-4	-3	-3	-3.5	-4	0
6	-1	-1	0	-1.5	-3	-2	-2
7	0	-2	1	-1.5	-1	-1.5	-1
8	1	-2.5	-1	-2	0	-1	-3
9	-1	-2	0	-3	-2	-3	-3.5
10	-3	-1.5	-3	-1	-3	-2	-1
11	-1	-1	-3	-1	0	-2	-1.5
12	2	0	1	-1	-2	-1	-4
13	-2	0.5	-1	-0.5	1	1	0
14	-1	-0.4	1	0	-1	-2	-1
15	-3	0	-2	1	0	-1	0



OSCAR OMEL LOPEZ OSORIO

MEDIA	RANGO	VAL.MAX	VAL.MIN
-1	2	0	-2
-2.57142857	4	0	-4
-3.35714286	2	-2.5	-4.5
-1.57142857	6	1	-5
-2.92857143	4	0	-4
-1.5	3	0	-3
-0.85714286	3	1	-2
-1.21428571	4	1	-3
-2.07142857	3.5	0	-3.5
-2.07142857	2	-1	-3
-1.35714286	3	0	-3
-0.71428571	6	2	-4
-0.14285714	3	1	-2
-0.62857143	3	1	-2
-0.71428571	4	1	-3
-1.51333333	3.5		

CARTA R			
VALOR	LCL	R BAR	UCL
2	6.7347	3.5	0.2653
4	6.7347	3.5	0.2653
2	6.7347	3.5	0.2653
6	6.7347	3.5	0.2653
4	6.7347	3.5	0.2653
3	6.7347	3.5	0.2653
3	6.7347	3.5	0.2653
4	6.7347	3.5	0.2653
3.5	6.7347	3.5	0.2653
2	6.7347	3.5	0.2653
3	6.7347	3.5	0.2653
6	6.7347	3.5	0.2653
3	6.7347	3.5	0.2653
3	6.7347	3.5	0.2653
4	6.7347	3.5	0.2653

OSCAR OMEL LOPEZ OSORIO