

DIA CERO

29/04/2007 1:15:47

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Full Factorial Design

Factors: 3 Base Design: 3, 8
 Runs: 8 Replicates: 1
 Blocks: 1 Center pts (total): 0

All terms are free from aliasing.

Factorial Fit: C8 versus PROCEDENCIA, SOLVENTE, RECIRCULACIONES

Estimated Effects and Coefficients for C8 (coded units)

Term	Effect	Coef
Constant		2.4500
PROCEDENCIA	0.5000	0.2500
SOLVENTE	-1.2500	-0.6250
RECIRCULACIONES	-0.1500	-0.0750
PROCEDENCIA*SOLVENTE	-0.1500	-0.0750
PROCEDENCIA*RECIRCULACIONES	0.3500	0.1750
SOLVENTE*RECIRCULACIONES	0.3000	0.1500
PROCEDENCIA*SOLVENTE*RECIRCULACIONES	0.1000	0.0500

S = *

Analysis of Variance for C8 (coded units)

Source	DF	Seq SS	Adj SS	Adj MS	F	P
Main Effects	3	3.67000	3.67000	1.22333	*	*
2-Way Interactions	3	0.47000	0.47000	0.15667	*	*
3-Way Interactions	1	0.02000	0.02000	0.02000	*	*
Residual Error	0	*	*	*		
Total	7	4.16000				

Estimated Coefficients for C8 using data in uncoded units

Term	Coef
Constant	2.45000
PROCEDENCIA	0.250000
SOLVENTE	-0.625000
RECIRCULACIONES	-0.0750000
PROCEDENCIA*SOLVENTE	-0.0750000
PROCEDENCIA*RECIRCULACIONES	0.175000
SOLVENTE*RECIRCULACIONES	0.150000
PROCEDENCIA*SOLVENTE*RECIRCULACIONES	0.0500000

Alias Structure
I
PROCEDENCIA
SOLVENTE
RECIRCULACIONES
PROCEDENCIA*SOLVENTE
PROCEDENCIA*RECIRCULACIONES
SOLVENTE*RECIRCULACIONES
PROCEDENCIA*SOLVENTE*RECIRCULACIONES

Main Effects Plot (data means) for C8

Interaction Plot (data means) for C8

Cube Plot (data means) for C8

29/04/2007 16:37:28

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Interaction Plot (data means) for C8

Interaction Plot (data means) for C8

Interaction Plot (data means) for C8

04/05/2007 13:13:46

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DIA DIEZ

29/04/2007 1:01:48

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Full Factorial Design

Factors: 3 Base Design: 3, 8
Runs: 24 Replicates: 3
Blocks: 1 Center pts (total): 0

All terms are free from aliasing.

Factorial Fit: C8 versus PROCEDENCIA, SOLVENTE, RECIRCULACIONES

Estimated Effects and Coefficients for C8 (coded units)

Term	Effect	Coef	SE Coef	T
P				
Constant		2.6046	0.009638	270.25
0.000				
PROCEDENCIA	0.2808	0.1404	0.009638	14.57
0.000				
SOLVENTE	-1.7308	-0.8654	0.009638	-89.80
0.000				
RECIRCULACIONES	-0.5842	-0.2921	0.009638	-30.31
0.000				
PROCEDENCIA*SOLVENTE	-0.1658	-0.0829	0.009638	-8.60
0.000				
PROCEDENCIA*RECIRCULACIONES	0.3108	0.1554	0.009638	16.13
0.000				
SOLVENTE*RECIRCULACIONES	0.2192	0.1096	0.009638	11.37
0.000				
PROCEDENCIA*SOLVENTE*RECIRCULACIONES	0.2342	0.1171	0.009638	12.15
0.000				

S = 0.0472141 R-Sq = 99.84% R-Sq(adj) = 99.77%

Analysis of Variance for C8 (coded units)

Source	DF	Seq SS	Adj SS	Adj MS	F	P
Main Effects	3	20.4954	20.4954	6.83180	3064.73	0.000
2-Way Interactions	3	1.0329	1.0329	0.34430	154.45	0.000
3-Way Interactions	1	0.3290	0.3290	0.32900	147.59	0.000
Residual Error	16	0.0357	0.0357	0.00223		
Pure Error	16	0.0357	0.0357	0.00223		
Total	23	21.8930				

Estimated Coefficients for C8 using data in uncoded units

Term	Coef
Constant	2.60458
PROCEDENCIA	0.140417
SOLVENTE	-0.865417
RECIRCULACIONES	-0.292083
PROCEDENCIA*SOLVENTE	-0.0829167

PROCEDENCIA*RECIRCULACIONES	0.155417
SOLVENTE*RECIRCULACIONES	0.109583
PROCEDENCIA*SOLVENTE*RECIRCULACIONES	0.117083

Alias Structure
I
PROCEDENCIA
SOLVENTE
RECIRCULACIONES
PROCEDENCIA*SOLVENTE
PROCEDENCIA*RECIRCULACIONES
SOLVENTE*RECIRCULACIONES
PROCEDENCIA*SOLVENTE*RECIRCULACIONES

Main Effects Plot (data means) for C8

Interaction Plot (data means) for C8

Cube Plot (data means) for C8

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Interaction Plot (data means) for C8

Interaction Plot (data means) for C8

Interaction Plot (data means) for C8

04/05/2007 10:24:21

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DIA VEINTE

29/04/2007 0:36:28

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Results for: Worksheet 3

Factorial Fit: C8 versus PROCEDENCIA, SOLVENTE, RECICULACIONES

Estimated Effects and Coefficients for C8 (coded units)

Term	Effect	Coef	SE Coef	T	P
Constant		2.4729	0.01038	238.16	0.000
PROCEDENCIA	0.2025	0.1012	0.01038	9.75	0.000
SOLVENTE	-1.5492	-0.7746	0.01038	-74.60	0.000
RECICULACIONES	-0.6408	-0.3204	0.01038	-30.86	0.000
PROCEDENCIA*SOLVENTE	-0.3292	-0.1646	0.01038	-15.85	0.000
PROCEDENCIA*RECICULACIONES	0.3792	0.1896	0.01038	18.26	0.000
SOLVENTE*RECICULACIONES	0.3108	0.1554	0.01038	14.97	0.000
PROCEDENCIA*SOLVENTE*RECICULACIONES	0.1075	0.0538	0.01038	5.18	0.000

S = 0.0508675 R-Sq = 99.79% R-Sq(adj) = 99.69%

Analysis of Variance for C8 (coded units)

Source	DF	Seq SS	Adj SS	Adj MS	F	P
Main Effects	3	17.1095	17.1095	5.70318	2204.13	0.000
2-Way Interactions	3	2.0924	2.0924	0.69747	269.55	0.000
3-Way Interactions	1	0.0693	0.0693	0.06934	26.80	0.000
Residual Error	16	0.0414	0.0414	0.00259		
Pure Error	16	0.0414	0.0414	0.00259		
Total	23	19.3127				

Estimated Coefficients for C8 using data in uncoded units

Term	Coef
Constant	2.47292
PROCEDENCIA	0.101250
SOLVENTE	-0.774583
RECICULACIONES	-0.320417
PROCEDENCIA*SOLVENTE	-0.164583
PROCEDENCIA*RECICULACIONES	0.189583
SOLVENTE*RECICULACIONES	0.155417
PROCEDENCIA*SOLVENTE*RECICULACIONES	0.0537500

Alias Structure

I
PROCEDENCIA
SOLVENTE
RECICULACIONES
PROCEDENCIA*SOLVENTE
PROCEDENCIA*RECICULACIONES
SOLVENTE*RECICULACIONES
PROCEDENCIA*SOLVENTE*RECICULACIONES

Main Effects Plot (data means) for C8

Interaction Plot (data means) for C8

Cube Plot (data means) for C8

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Results for: Worksheet 3

Interaction Plot (data means) for C8

Interaction Plot (data means) for C8

Interaction Plot (data means) for C8

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