

EOECplotByLabN.lst

EOEC Hydrogenated Nitrile Average Percent Volume Change

11:16 Friday, June 29, 2012 89

All Valid Reference Data

Plotted by Lab

The GLM Procedure

Class Level Information

Class	Levels	Values
LTMSLAB	4	A B G I

Number of Observations Read 565

Number of Observations Used 565

EOEC Hydrogenated Nitrile Average Percent Volume Change
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The GLM Procedure

Dependent Variable: VOLC

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	27.7380165	9.2460055	6.17	0.0004
Error	561	840.7609084	1.4986825		
Corrected Total	564	868.4989250			

R-Square	Coeff Var	Root MSE	VOLC Mean
0.031938	77.43201	1.224207	1.581009

Source	DF	Type I SS	Mean Square	F Value	Pr > F
LTMSLAB	3	27.73801651	9.24600550	6.17	0.0004

Source	DF	Type III SS	Mean Square	F Value	Pr > F
LTMSLAB	3	27.73801651	9.24600550	6.17	0.0004

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The GLM Procedure

Dependent Variable: HARD

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	294.596014	98.198671	50.88	<.0001
Error	561	1082.660623	1.929876		
Corrected Total	564	1377.256637			

R-Square	Coeff Var	Root MSE	HARD Mean
0.213901	57.50168	1.389200	2.415929

Source	DF	Type I SS	Mean Square	F Value	Pr > F
LTMSLAB	3	294.5960139	98.1986713	50.88	<.0001

Source	DF	Type III SS	Mean Square	F Value	Pr > F
LTMSLAB	3	294.5960139	98.1986713	50.88	<.0001

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The GLM Procedure

Dependent Variable: TENS

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	3440.49312	1146.83104	22.33	<.0001
Error	561	28806.51988	51.34852		
Corrected Total	564	32247.01299			

R-Square	Coeff Var	Root MSE	TENS Mean
0.106692	-23.49016	7.165788	-30.50549

Source	DF	Type I SS	Mean Square	F Value	Pr > F
LTMSLAB	3	3440.493116	1146.831039	22.33	<.0001

Source	DF	Type III SS	Mean Square	F Value	Pr > F
LTMSLAB	3	3440.493116	1146.831039	22.33	<.0001

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The GLM Procedure

Dependent Variable: ELON

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	777.21282	259.07094	7.36	<.0001
Error	561	19744.84973	35.19581		
Corrected Total	564	20522.06255			

R-Square	Coeff Var	Root MSE	ELON Mean
0.037872	-11.30626	5.932606	-52.47186

Source	DF	Type I SS	Mean Square	F Value	Pr > F
LTMSLAB	3	777.2128174	259.0709391	7.36	<.0001

Source	DF	Type III SS	Mean Square	F Value	Pr > F
LTMSLAB	3	777.2128174	259.0709391	7.36	<.0001

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The GLM Procedure

Least Squares Means

LTMSLAB	VOLC LSMEAN	LSMEAN Number
A	1.37442308	1
B	1.86746753	2
G	1.61406897	3
I	2.38166667	4

Least Squares Means for effect LTMSLAB

Pr > |t| for H0: LSMean(i)=LSMean(j)

Dependent Variable: VOLC

i/j	1	2	3	4
1		<.0001	0.0595	0.0468
2	<.0001		0.0742	0.3132
3	0.0595	0.0742		0.1329
4	0.0468	0.3132	0.1329	

LTMSLAB	HARD LSMEAN	LSMEAN Number
A	2.53076923	1
B	3.18831169	2
G	1.31034483	3
I	4.33333333	4

Least Squares Means for effect LTMSLAB

Pr > |t| for H0: LSMean(i)=LSMean(j)

Dependent Variable: HARD

i/j	1	2	3	4
1		<.0001	<.0001	0.0018
2	<.0001		<.0001	0.0481
3	<.0001	<.0001		<.0001
4	0.0018	0.0481	<.0001	

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The GLM Procedure

Least Squares Means

LTMSLAB	TENS LSMEAN	LSMEAN Number
A	-32.5996154	1
B	-30.7850649	2
G	-26.6393103	3
I	-26.0166667	4

Least Squares Means for effect LTMSLAB

Pr > |t| for H0: LSMean(i)=LSMean(j)

Dependent Variable: TENS

i/j	1	2	3	4
1		0.0131	<.0001	0.0265
2	0.0131		<.0001	0.1104
3	<.0001	<.0001		0.8349
4	0.0265	0.1104	0.8349	

LTMSLAB	ELON LSMEAN	LSMEAN Number
A	-52.3773077	1
B	-50.9805195	2
G	-54.1213793	3
I	-54.9833333	4

Least Squares Means for effect LTMSLAB

Pr > |t| for H0: LSMean(i)=LSMean(j)

Dependent Variable: ELON

i/j	1	2	3	4
1		0.0209	0.0047	0.2879
2	0.0209		<.0001	0.1055
3	0.0047	<.0001		0.7274
4	0.2879	0.1055	0.7274	

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Least Squares Means

NOTE: To ensure overall protection level, only probabilities associated with pre-planned comparisons should be used.