

Supplementary material

Table of the first analysis (which discards the molar ratio)

Source	ANOVA; Var.: Glycerol conversion; R-2=,82337; Adj:,76902 (Planejamento 1 etapa) 2**(4-1) design; MS Pure error=5,5 DV: Glycerol conversion				
	SQ	GL	MQ	F	P
(1)Temperature	915,063	1	915,0625	28,36853	0,000335
(2)Reaction time	333,062	1	333,0625	10,32552	0,009279
(3)Initial pressure	451,562	1	451,5625	13,99922	0,003837
(4)Molar ratio	0,563	1	0,5625	0,01744	0,897560
Residual	76,563	1	76,5625	2,37357	0,154429
Pure error	0,063	1	0,0625	0,00194	0,965756
SS Total	105,062	1	105,0625	3,25712	0,101266

Table of the second part (finding the model)

Source	ANOVA; Var.: Glycerol conversion; R-2=,93791; Adj:,85808 (Dados novos) 3 factors, 1 block, 17 runs; Pure Error MQ =,853279 DV: Glycerol conversion				
	SS	Df	MS	F	P
(1)Initial pressure (L)	1,7531	1	1,75311	2,05456	0,288152
Initial pressure (Q)	59,9491	1	59,94910	70,25733	0,013937
(2)Reaction time (L)	28,7193	1	28,71927	33,65754	0,028449
Reaction time (Q)	9,5254	1	9,52543	11,16332	0,079097
(3)Temperature(L)	3,8571	1	3,85709	4,52031	0,167374
Temperature(Q)	34,7228	1	34,72279	40,69336	0,023704
1L * 2L	2,3328	1	2,33280	2,73392	0,240054
1L * 3L	9,8124	1	9,81245	11,49970	0,077044
2L * 3L	0,1405	1	0,14045	0,16460	0,724243
Residual	6,2911	5	1,25822	1,47457	0,451207
Pure Error	1,7066	2	0,85328		
SQ Total	128,8037	16			