

Microsoft Excel 16.80 Sensitivity Report**Worksheet: [TMP3_Chemical_Analysis_Excel.xlsx]Model Worksheet****Report Created: 3/6/24 8:24:47 PM**

Variable Cells

Cell	Name	Final Value	Reduced Cost	Objective Coefficient	Allowable Increase	Allowable Decrease
\$F\$3	Production_Level_of_Primary_Product	4500	0	2.491666667	1E+30	0.883333333
\$F\$4	Production_Level_of_Secondary_Product_K	6000	0	-0.066666667	0.441666667	0.058333333
\$F\$5	Production_Level_of_Secondary_Product_M	0	-0.220833333	0.185416667	0.220833333	1E+30
\$F\$6	Production_Level_of_Specially_Treated_Liquid_Waste	1500	0	-0.25	0.116666667	0.220833333

Constraints

Cell	Name	Final Value	Shadow Price	Constraint R.H. Side	Allowable Increase	Allowable Decrease
\$I\$6	Remaining_Liquid_Waste	0	0.25	0	1500	1E+30
\$I\$4	Total_Raw_Material_X_Used	7500	0.116666667	7500	1500	3000
\$I\$5	Total_Raw_Material_Y_Used	9000	1.0625	9000	6000	1500