

Title: OIP Project

Author: Group 21

Date: 18/8/2021

Notes:

Legend		
⊖	Strong Relationship	9
○	Moderate Relationship	3
▲	Weak Relationship	1
++	Strong Positive Correlation	
+	Positive Correlation	
-	Negative Correlation	
▼	Strong Negative Correlation	
▲	Objective Is To Minimize	
▼	Objective Is To Maximize	
X	Objective Is To Hit Target	

Row #	Max Relationship Value in Row	Relative Weight	Weight / Importance	Quality Characteristics (a.k.a. "Functional Requirements" or "Hows")	Column #															Competitive Analysis (0=Worst, 5=Best)					
					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Our Company	Competitor 1	Competitor 2	Competitor 3	Competitor 4	Competitor 5
1	9	12.8	10.0	Able to clean the syringes	⊖			○		○	▲														
2	9	9.0	7.0	Able to fit onto table top	▲	○		▲	○		○	○													
3	9	10.3	8.0	Shorter drying time			○	○	▲		○	○													
4	9	7.7	6.0	Stability of syringes during washing process	○			○		○		▲													
5	9	10.3	8.0	Reduce cross-contamination		○	▲	○	○			▲													
6	9	10.3	8.0	Reduce washing time	○			○		○		○													
7	9	9.0	7.0	Automated Process	○						○		○	○											
8	9	10.3	8.0	Accomodate more syringes		○	○	○	○			○		○											
9	9	7.7	6.0	Easy to use	○			○	○		○		○												
10	9	12.8	10.0	Affordable	○	○		○		▲	○			○											
Target or Limit Value																									
Difficulty (0=Easy to Accomplish, 10=Extremely Difficult)																									
Max Relationship Value in Column					9	9	9	9	9	9	9	9	9	9											
Weight / Importance					505.1	319.2	133.3	609.0	183.3	166.7	397.4	260.3	96.2	288.5											
Relative Weight					17.1	10.8	4.5	20.6	6.2	5.6	13.4	8.8	3.2	9.7											