



### Appendix C: Target Catalog

Metric #	Metric	Target
1	Regulate Flow	0.5 second start/stop button reaction time
2	Mix Fluids	Dispense red and blue to get purple
3	Stabilize the Flow	Have a Reynolds number less than 2300
4	Secure the Bottles	4 - 750 mL bottles
5	Hold Mixers	Having 2 containers with 1 Liter of storage capacity
6	Withstand Handling	Machine will travel in a vehicle 1 mile and then be tested again upon arrival
7	Display Machine Information/ Status	Displays if slot is empty or filled with a particular liquid
8	Check Initial Conditions	Machine will have drinks with selected liquids programmed into the menu.
9	Convert Order to Mechanical Process	1 second
10	Store Menu Options	at least 20 drinks
11	Compact Size	12" x 18" x 16"
12	Universal Bottle Fitting	Able to hold the 12 most popular brands of liquor in the U.S.
13	Operation Time	Drink will be made within 20 seconds or less