Item #	User Needs Intended Uses	Design Inputs (Technical Requirement)	Acceptance Criteria		Design Outputs
			Ideal/Goal	Limit	
1.0	**Customer Requirements (e.g. Functional)**				
1.1	fast results				
1.2	easy to use				
1.3	reliably detects gluten in prepared food				
1.4	easy to understand understand results				
2.0	**Product Performance Requirements (e.g.Mechanical)**				
2.1	light-weight				
2.2	clear display of results				
2.3	long battery life, alert when low on battery				
3.0	**Biocompatability Requirements**				
3.1	will not contaminate food that is being tested				
3.2	easy to clean				
3.3	Safe for users - no adverse physical effects (i.e. radiation)				
4.0	**Regulatory Requirements**				
4.1	Clinically tested for gluten detection				
4.2	food-safe				
4.3	FDA approved				
5.0	**Interfaces with Other Systems**				
5.1	an app to read results / see detailed readings				
5.2	popular smart phones (andriod/apple are different systems)				
5.3	standard charger or disposable batteries				
6.0	**Other**				
6.1	low/no waste				
6.2	can be carried in a purse/backpack				
6.3	quiet/low profile (not disruptive in public space)				

Design Verification (Outputs = Inputs)	Design Validation (User Needs Met)