Product Specification Compliance Worksheet

Question #1-3: Refer to Spec Document #1 and Data Set #1

1. During a production run of French Roast coffee pods, the following production data was collected after the coffee grinder and before packaging into cups for 10 consecutive bulk bags of coffee. Compare the data provided on the table versus the provided written specification. Based on your review of this data, which of the following is not true:

a) Half of the bags pulled over the 10-day production period was considered out of specification.
b) Coffee Bean Grinder M1 and M3 had equal number of incidents of out of specification product for grind size.
c) French Roast coffee produced between 10/20/2017 and 10/22/2017 is within the specification limits.
d) All of the coffee rejected for a grind size that was outside of the specification window was from grinder M3.
e) All of the statements are true.

2: On which day was the first time the French Roast coffee produced in this facility considered to be out of specification for Oxygen?

a) 10/17/2017
b) 10/20/2017
c) 10/26/2017
d) 10/25/2017
e) 10/22/2017

3: On 10/17/2017, Bag 1 was sampled for moisture, grind size, color as measured by the Ground Agtron score and oxygen content of the finished bag. Based on the data for this sample, please select the appropriate next step for the operators conducting the test on this day.

a) Reject the product.
b) Further evaluation is needed based on both the moisture and color as indicated by the ground agtron score. Food safety and micro should be contacted in addition to sensory evaluation completed to determine acceptability.
c) No further action is necessary, it should be sent to the packaging line.
d) Further evaluation is needed for the color based on the moisture value only. Food Saftey and Micro should be contacted.
e) Further evaluation is needed based on the color as indicated by the ground agtron score only. Sensory evaluation should be conducted to determine acceptability.

Questions #4&5: Refer to Spec Document #2 & Provided Sample

4. In order to meet the Code of Federal Regulations standard for shelled nuts in rigid containers, the nuts must occupy 85% of the container. As such, the specification for the Cocktail Peanuts (sample provided) requires that the contents achieve both the minimum requirement of 85% of the volume of the container plus as well as minimally delivering the net weight indicated on the label. The 85% fill line has been marked on the container for you in black ink. Based on the sample provided, and the packaging specs in Specification Document #2 provided, which of the following statements is true:

a) The container does not reach the 85% fill specification but does meet the net weight specification as indicated on the front of pack.
b) The container reaches the 85% fill specification but does not meet the net weight specification as indicated on the front of pack.
c) The container reaches the 85% fill specification and the net weight specification as indicated on the front of pack.
d) The container neither reaches the 85% fill specification nor the net weight specification as indicated on the front of pack.
e) There is insufficient information available to answer this question.

5. For the provided sample based on the required markings as dictated in Specification Document number 2, which of the following statements is true:

a) The expiration date is correctly marked versus the specification.
b) The expiration date is incorrectly marked versus the specification for the month nomenclature.
c) The expiration date is incorrectly marked versus the specification because of the color of the font.
d) The expiration date is incorrectly marked versus the specification because of the number times it is printed on the container.
e) The expiration date is incorrectly marked versus the specification because of the location it is placed on the container.

Data Set #1							
Production Date	**1000 lb Coffee Bag**	**Packaging Line**	**Coffee Bean Grinder**	**Mositure (%)**	**Grind Size (micron)**	**Product color - Ground Agtron (unit)**	**Oxygen (%)**
10/17/2017	Bag 1	141	M3	4.6	514	42.2	0.903
10/18/2017	Bag 2	141	M3	4	516	41.5	1.488
10/19/2017	Bag 3	141	M3	3.9	509	41.1	0.57
10/20/2017	Bag 4	141	M3	4	511	41.5	0.864
10/21/2017	Bag 5	141	M3	4	521	40.4	1.4
10/22/2017	Bag 6	141	M3	4.1	520	41.1	1.584
10/23/2017	Bag 7	141	M3	4	571	40.4	0.457
10/24/2017	Bag 8	141	M1	4.1	541	40.6	0.829
10/25/2017	Bag 9	141	M1	4.1	543	39.7	2.248
10/26/2017	Bag 10	141	M1	4.1	528	39.7	2.118