Production Sampling, Testing, and Referee Guidance

A quick reference to the HMA Specifications

**Production Sampling, Testing, and Referee Guidance**

**Contractor, Engineer, and Referee Responsibilities**

**Contractor**
- Thoroughly blend and split the mixture into three portions.
- Label samples as "Contractor", "Engineer", and "Referee".
- Perform production tests on the sample labeled as "Contractor" and provide the Engineer with the test results.

**Engineer**
- Maintain custody of the "Engineer" sample.
- Perform production tests on the sample labeled as "Engineer" and provide the Contractor with the test results once the Contractor's test results are submitted.

**Referee**
- Maintain custody of the "Referee" sample until the Department's testing is completed.
- Label and properly store the "Referee" sample.
- Perform production tests on the sample labeled as "Contractor" and provide the Engineer with the test results.

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**Flowchart:**

1. **Start**
2. Thoroughly blend and split mixture into 3 equal portions.
3. Label samples as "Contractor", "Engineer", and "Referee".
4. Perform production tests on the sample labeled as "Contractor" and provide the Engineer with the test results.
5. Perform production tests on the sample labeled as "Engineer" and provide the Contractor with the test results once the Contractor's test results are submitted.
6. Maintain custody of the "Engineer" sample.
7. Maintain custody of the "Referee" sample until the Department's testing is completed.
8. Label and properly store the "Referee" sample.
9. Perform production tests on the sample labeled as "Contractor" and provide the Engineer with the test results.
10. Compare test results.
11. Select random numbers for all production sublots at the beginning of the project.
12. For each sublot, obtain a random sample from a truck at the plant, according to random number sampling protocol. The Contractor may sample if witnessed by the Engineer.
13. For one sublot per lot, obtain a "blind" sample from a truck at the plant, according to blind sampling protocol.
14. Is the difference between the Contractor's and the Engineer's test results within the maximum allowable difference for Operational Tolerances?
15. No
16. Does the Contractor's test results require suspension of production while the Engineer's test results are within specification limits?
17. No
18. Is a "remove and replace" condition determined based on the Engineer's test results?
19. Yes
20. End
21. Yes
22. The mixture is not eligible for referee testing.
23. The mixture is eligible for referee testing.
24. Referee testing at MTD

**Responsibility:**
- Contractor responsibility
- Engineer responsibility
- Shared responsibility
- MTD responsibility