**AASHTO Accreditation Program (AAP)**

**Proficiency Sample Corrective Action Report**

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| **Name/Location of Laboratory:**  **University of Arkansas**  **Fayetteville, AR USA** | **Sample Material:**  **Hot Mix Asphalt Gyratory** |
| **Laboratory PSP Number:** **3879** | **Sample Numbers:**  **33 / 34** |

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| ***Please use this form when investigating poor ratings on proficiency sample testing. Results which are beyond 2 standard deviations of the grand average are considered to be poor results (ratings of 0, 1, and 2). Investigate the root cause of the problem and describe the corrective action taken to resolve the problem in the areas provided. Please retain a copy of this document for your own records. You do not need to submit this form to the AMRL or CCRL for review, but if you would like feedback on your findings, it is permissible to request it.*** |

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| **Test Method**: AASHTO T-166 / T 312 ASTM       **Rating**: 2 |
| **Root Cause Analysis** (A step-by-step method that leads to the discovery of the problem’s first or root cause.) Gyratory malfunctioned during compaction. Sample had to be broken apart, reheated and re-compacted. This caused the sample to overcompact creating the errors seen in bulk specific gravity, height data, and % of maximum theoretical specific gravity. The gyratory malfunction was ruled a fluke by Pine Instrument technicians. |
| **Corrective Action** (Action taken to eliminate the cause of a detected nonconformity.)  **Compact test specimen before compaction of AMRL samples.** |