**AASHTO Accreditation Program (AAP)**

**Proficiency Sample Corrective Action Report**

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| **Name/Location of Laboratory:**  **University of Arkansas** | **Sample Material:**  **Soils** |
| **Laboratory PSP Number:** **3879** | **Sample Numbers:**  **169&170** |

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| ***Please use this form when preparing responses to 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. Attach any supporting documentation. Please retain a copy of this document for your own records.*** |

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| **Test Method**: AASHTO T89 ASTM D4318 **Rating**: 1 |
| **Root Cause Analysis** (A step-by-step method that leads to the discovery of the problem’s first or root cause.)Soil for the liquid limit test was mixed up and allowed to season for 30 minutes. Testing was begun but difficulty achieving the required blow counts was encountered. Time to completion of test was approximately one hour. This time lapse may have accounted for the diffrence in the results since this soil had a high liquid limit. |
| **Corrective Action** (Action taken to eliminate the cause of a detected nonconformity.)  **In order to correct for this, samples will be mixed up the night before and allowed to season overnight to eliminated fluctuations in moisture contents between test runs.** |