

## YEAR 2021 CCIL CORRELATION

### EXTRACTION AND GRADATION TEST (ON QC)

One sample of hot mix asphalt identified as Material **EXT-A,C,E-X** and one sample of hot mix asphalt identified as Material **EXT-B,D,F-X** have been provided.

#### TESTING

On receipt of the Material **EXT-A,C,E-X** and Material **EXT-B,D,F-X** the two materials shall be tested (use complete sample) as per LS-282 (Revision 32) "Method of Test for Quantitative Extraction of Asphalt Cement and Analysis of Extracted Aggregate from Bituminous Paving Mixtures", using Trichloroethylene or n-Propyl Bromide (Note 1).

**Note 1:** *All solvents are reported to be toxic to some extent. Attention should be paid to the safety precautions and the use of proper safety equipment such as gloves, goggles, respiration masks and fume hoods.*

Laboratories shall report data calculated on the basis of total dried aggregate mass corrected for mineral fines in the extracts using in-house equipment.

The cumulative percentage of sample **passing** each of the required sieves shall be reported. The asphalt content for each sample shall be calculated and reported on the same form.

**Note 2:** *If your lab used the Reflux Method of extraction (ASTM D2172) and/or used n-Propyl Bromide, please note this on the Reporting Form under Comments.*

All test results shall be reported **online** by Friday **January 8 2021**. An example of a completed report form is shown on page 2.

Hard copies of the report forms and work sheets shall be submitted by **January 8 2021** by mail or courier to:

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**DO NOT** send reports and worksheets by fax.

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## 2020 Asphalt Reporting Form Extraction

### Extraction Report 3 - Certification Program

- ▶ CCIL Confidential Lab # CCIL 999
- ▶ Lab Name: Demo Lab
- ▶ Tested by:
  - Lab Technician
  - Supervisor / Manager
  - Not listed

Please specify

Super Technician

### Extraction Report 3

%AC and %Passing Sieve, mm

Test	Material E	Material F
%AC	5.03	5.26
19.0	100	100
16.0	100	100
13.2	97.6	98.1
9.5	84.7	83.2
4.75	63.6	59.8
2.36	52.1	49.0
1.18	43.7	41.3
0.600	33.7	32.1
0.300	20.6	19.5
0.150	8.3	8.6
0.075	3.2	4.2

Comments