2027 CCIL Asphalt Correlation

BC MB NB NL NS PE SK Extraction and Gradation Test (EXT) Instructions

Review your shipping address shown in the portal and update it if there are any changes through the request for services. When you receive your samples, review the shipment before signing off with the shipper.

In your shipment, you should have received 1 sample of hot mix asphalt identified as Material **I-EXT-N or III-N or V-N** and 1 sample of hot mix asphalt identified as Material **II-EXT-N or IV-N or VI-N**.

TESTING

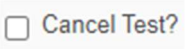
On receipt of the Material **I-EXT-N or III-N or V-N** and Material **II-EXT-N or IV-N or VI-N** the 2 materials shall be tested (use complete sample) as per ASTM D2172 (latest revision) " Quantitative Extraction of Asphalt Binder from Asphalt Mixtures", using solvent (See **Note 1**). Sieve analysis of the resulting aggregate shall be carried out using ASTM D5444 (latest revision) “Mechanical Size Analysis of Extracted Aggregate”.

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

The extracted aggregate shall be dried of all solvent, followed by water washing, drying, and sieving. Laboratories shall report data calculated based on 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 in the same form. The asphalt content shall be expressed as a mass percent of total mixture.

Note 2: For laboratories in BC, if your laboratory does not use the 16.0 mm sieve, please do not enter zero in the online reporting form. Please cancel this sieve by clicking the box adjacent to the sieve in the reporting form. See below,



Note 3: Please identify the Extraction Method and Solvent Used by selecting from the dropdown feature on the Reporting Form.

An example of a completed report form is shown on page 2. **Your report form should have Wash Pass removed, if it is not, please enter 0**.

All test results shall be reported online and submitted by **2027 January 25, Monday.**

Remember: Your lab’s worksheets must be submitted through the portal with your correlation report. Please combine all worksheets for each portal report into a single pdf prior to uploading. You are required to keep all original worksheet hard copies in a secure dedicated location such as a sealed envelope that is available to CCIL upon request. Do not courier/mail/fax/e-mail the worksheets to CCIL.

DO NOT send reports and worksheets by fax.

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Extraction Report 2 - 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 2

%AC and %Passing Sieve, mm

Test	Material C	Material D
%A.C.	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

Solvent Used

Trichloroethylene (TCE) ▼

Extraction Method Used

D2172 Method A (Centrifuge Extractor) ▼

Comments