

Below is a quick how-to for accessing the binder test summary report in MAC.

- The web address for MAC is <https://mac.fdot.gov/>
- You do not have to log in to MAC. Click the Reports link in the upper right hand corner of the MAC home page.

**MAC** Materials Acceptance and Certification System

User: - # Login Help

**Reports**

**Welcome to the MAC Application.**

**INDUSTRY NOTIFICATION - posted October 5, 2018**

**MAC is the System of Record** for data related to the Quality Assurance Procedure for Construction

Listings for Production Facilities and Laboratories are now generated from MAC by selecting the Reports menu option and selecting the specific production facility or laboratory listing.

**NOTE:** You do not need MAC access or to log into MAC to generate the reports. Just select the Reports menu option to be taken to the Reports screen.

Following are two updates for testing concrete specimens per ASTM C39 Standard Test Method for Compressive Strength of Cylindrical Concrete Specimens:

- Recently, the State Materials Office updated test calculation values for the cross-sectional area which is in turn used to calculate the compressive strength of concrete. This was done to reflect recent changes in ASTM C39 - 18. MAC now carries it (Pi) out to 3.1415926540 and calculates the cross-sectional area of the test specimen to five decimal places (0.00001). The Department is providing this update to make you aware of any discrepancies between how compressive strength might calculate in any internal laboratory worksheets and how MAC calculates it. Be aware that MAC calculations are the official calculations for acceptance and have been confirmed to meet ISO-IEC 17025 accreditation requirements.
- MAC also requires cylinder length to be entered to ensure that length to diameter ratios are correct and the appropriate correction factors are used. To ensure these values are correctly calculated the accurate cylinder length must be entered MAC. This is especially important after the concrete specimens have been sawed or ground.

- The report is titled “Binder Test Result Summary” and is located under the Sample reports category. Click on the Binder Test Result Summary link.

Invoice Lab Status Report	Invoice Lab Status Report
Qualified Labs Report	Listing of Qualified Labs by District and/or Category
Test Turnaround Time	Test Turnaround Time Report.

**Sample**

Aggregate Duplicate Samples	A summary report that highlights aggregate control program duplicated samples
Aggregate Sample Analysis Report	Aggregate product test data summary report which highlights specific test results with in a date range or the last 30 samples.
Air Void Report	Asphalt Sample Air Void Report
Asphalt Cert. of Analysis	Sample Certificate of Analysis for asphalt samples, condensed down to one page
Asphalt Content Test Result	Asphalt Content Test Result Summary Report for Asphalt Samples
Asphalt LOTS Closed due to 30 Days Reached	A report of Asphalt LOTS closed due to 30 days reached.
Asphalt LOTS Closed due to QC Failure	A report summarizing all asphalt LOTS closed because of a failure in QC testing.
Asphalt Roadway Density Report	Provides asphalt density test results.
Asphalt Sample Pay Factor Report	Track and analyze calculated pay factors and production tonnage
Asphalt Sample Status History	Asphalt Sample History report shows all dates for any status changes for the sample and test associated to the sample.
Binder and Emulsion Report	Binder and Emulsion Sample Report
<b>Binder Test Result Summary</b>	Provides test results on finalized binder samples, grouped by project and facility
Chloride Test Summary	Chloride Test Result Summary Report
Composite Pay Factor Report for In-Progress Lot	This report calculates the Composite Pay Factor for unfinished samples

- When you click on the Binder Test Result Summary link, a search criteria box will appear. You can select test results based on Facility ID, Project ID, or Product. You can also select a date range to narrow the search if desired. You have to select a report

format (pdf or Excel) to perform a search. If you would like to search results for a particular facility, the search box will provide options once you type the letters/number "LA0" in the search box. The search criteria for product type is similar by typing the first three characters of the desired product. Multiple products can be searched at the same time as shown below.

The image shows a 'Binder Test Result Summary' form with the following fields:

- Facility ID: Type Production Facility Name
- Project ID: Type Item/Item Segment
- Product: Type Product Code or Name
- Sample Start Date: [Empty]
- Sample End Date: [Empty]
- Report Format: [Dropdown menu]
- Submit button

The image shows the same 'Binder Test Result Summary' form, but with the Facility ID dropdown menu open. The dropdown list contains the following items:

- LA003 - Blythe Construction
- LA004 - BLACKLIDGE DOUGLASVILLE - INACTIVE
- LA005 - BLACKLIDGE GULFPORT
- LA006 - BLACKLIDGE POMPANO
- LA007 - BLACKLIDGE GREER - PLANT #9
- LA008 - BLACKLIDGE PENSACOLA - INACTIVE
- LA009 - BLACKLIDGE TAMPA - PLANT #11
- LA010 - BLACKLIDGE TAMPA - PLANT #3
- LA012 - ERGON BARTOW - INACTIVE
- LA013 - ERGON GARDEN CITY
- LA014 - OWENS CORNING JACKSONVILLE
- LA015 - ERGON BAINBRIDGE
- LA016 - ERGON MULGA
- LA017 - ERGON TAMPA
- LA018 - GARDNER ASPHALT
- LA019 - GULF TERMINAL PANAMA CITY
- LA020 - HUNT REFINING TUSCALOOSA EMULSION

The image shows the 'Binder Test Result Summary' form with the following fields filled out:

- Facility ID: [Empty]
- Project ID: Type Item/Item Segment
- Product: PG 58-22 \* HIGH POLYMER \*
- Sample Start Date: 1/1/2019
- Sample End Date: 4/1/2019
- Report Format: PDF
- Submit button