



WORKSHEET FOR DETERMINING GRADATION AND ASPHALT CONTENT OF ASPHALT CONCRETE AASHTO T 30, AND MOISTURE CONTENT BY OVEN AND ASPHALT CONTENT BY IGNITION - WFLHD METHODS

Project: _____ Source: _____
 Sample of _____ Lot No _____ Sample No. _____
 Where sampled: _____ Time Sampled: _____
 Sampled by: _____ Date: _____ Tested by: _____

ASPHALT CONTENT BY IGNITION

Reported Ticket Information

- A. Furnace chamber set point Test °C _____
- B. Total elapsed Time _____
- C. Initial Sample Weight, g _____
- D. Weight Loss during ignition, g _____
- E. Percent Loss, % _____
- F. Temperature Compensation, % _____
- G. Job Mix Correction Factor ², % _____
- H. Corrected Asphalt Content, % _____

Recorded Data and Calculated Values

- I. Wt. of basket assembly and sample before ignition, g _____
- J. Basket assembly tare weight, g _____
- K. Initial Sample Weight, g [I - J] _____
- L. Wt. of basket assembly and residual aggregate, g _____
- M. Weight of residual aggregate, g [L - J] _____
- N. Weight of residual aggregate after washing, g _____
- O. Weight lost during washing, g [M - N] _____
- P. Final Corrected % Asphalt by wt of mix [H - U] _____

SIEVE ANALYSIS (AASHTO T 30)

Sieve Size	Wt. ¹ Retained	% Retained	% Passing	Target Values	Allowable Deviation
Pan					
Washed - 75µm					
Total ³					
Residual Wt (M)					

¹ All weights are in grams.
² Individual oven Job Mix Correction (Calibration) Factor.
³ Total weight should be within 0.2% of the weight of residual aggregate

MOISTURE CONTENT (OVEN METHOD)

- Q. Wt. of sample + container, Initial _____
- R. Weight of sample container _____
- S. Weight of sample, Initial [Q - R] _____
- T. Weight of sample + container, Dry _____
- U. Moisture, % $[100 \times (Q - T) / S]$ _____

SAND EQUIVALENT (AASHTO T 176)

Cylinder No. _____
 Time (20 min) _____
 Sand reading _____
 Clay reading _____
 Sand Equivalent _____
 Average SE value _____

FRACTURED FACES (FLH T 507)

- V. Weight of Fractured aggregate, g _____
- W. Weight of Non-Fractured aggregate, g _____
- X. Percent Fractured, % $[100 \times V / (V + W)]$ _____

REMARKS: _____

