



## WORKSHEET FOR IGNITION FURNACE BINDER CORRECTION FACTOR AND AGGREGATE GRADATION CORRECTION FACTOR T 308

Project:

Date:

Sample No.:

Tested by:

Target binder content, % by mass of Mix:

% by mass of Agg:

Test temperature, (°C):

	Trial No. 1		Trial No. 2
(A) Initial “battered” bowl mass, g			
(B) Final bowl mass <sup>1</sup> , g			
(C) Bowl mass difference, (B – A), g			
(D) Dry aggregate mass, g			
(E) Aggregate & binder mass, g			
(F) Binder mass, (E – D), g			
(G) Corrected binder mass, (F – C), g			
(H) Actual binder content by mixture mass, (G / (D + G) * 100), %			
(I) Sample basket assembly mass, g			
(J) Sample basket assembly & mix mass <sup>2</sup> , g			
(K) Mix mass <sup>3</sup> , (J – I), g			
(L) Ignition furnace binder content, % by mass of mix			
(M) Correction factor, (L – H), %	L1		L2
(N) Average correction factor <sup>4</sup> , ((L1 + L2) / 2), %	Average		
(O) Difference in correction factor <sup>5</sup> ,  L1 – L2 , %	Difference		

<sup>1</sup> Scrape the bowl until the final mass is within ± 0.5 grams of the initial “battered” mass.

<sup>2</sup> After placing the basket assembly and mix into the ignition furnace verify that the displayed mass and the mass recorded in (J) agree within ± 5 grams.

<sup>3</sup> Be certain to enter (K), the mix mass into the ignition furnace control panel prior to initiating the burn cycle.

<sup>4</sup> If the correction-factor exceeds 1.0%, lower the test temperature to 482 °C and repeat the test. Use the correction factor at 482 °C even if it exceeds 1.0%.

<sup>5</sup> If the difference is greater than ± 0.15 percent, run two more samples and discard the high and low test results.

**Remarks:**



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### AGGREGATE GRADATION CORRECTION FACTOR (% Passing)

SIEVE SIZE	Trial #1	Trial #2	“blank”	Trial #1 Difference	Trial #2 Difference	Average Difference	Allowable Difference
							±5.0
							±5.0
							±5.0
							±5.0
							±5.0
							±5.0
							±3.0
							±3.0
							±3.0
							±0.5

Remarks: