

# WATER CONTENT DETERMINATION WORKSHEET

## PLASTIC CONCRETE

North Dakota Department of Transportation, Materials & Research  
 SFN 18456 (7-2017)

Project	PCN	Date of Test
a. Pan Tare		g
b. Wet sample plus pan		g
c. Wet sample, b - a		g
d. Dried sample plus pan		g
e. Water loss, b - d		g
f. Cement in percent, $\frac{94 \times \text{unit wt.}}{\text{sacks/yd}^3} \times 100$		%
g. Weight of cement, $\frac{f \times c}{100}$		g
h. Water absorbed in aggregate $\frac{(c - e - g)}{100} \times \text{percent absorption}$		g
i. Effective water, e - h		g
j. Water - cement ratio, i/g		
k. Water in gallons per sack cement, $\frac{94 \times j}{8.33}$		gals/sack

**NOTES:**