

Delaware Department of Transportation
Materials and Research Laboratory
P.O. Box 778 Dover, DE 19903
302-760-2400

BLENDED CEMENT REPORT

Lab No.: C-_____	Silo: _____	Contract No: _____
Sampled by: _____	Tanker: _____	DelDOT Sections: 801 & 812
Sampled at: _____	Temperature, F: _____	Date Sampled: _____
Manufacturer: _____	Quantity, tons: _____	Date Received: _____
Cement Type: _____		

AASHTO	Test Performed	Specifications	Units	Results
Physical Tests				
T-137	Air Content.....	≤12	%	_____
T-153	Blaine fineness.....	>280	M ² /kg	_____
T-129	Normal Consistency W/C Ratio.....	----	----	_____
T-107	Autoclave Expansion.....	-0.20 to 0.50	%	_____
T-106	Mortar Cube Strength, 7 day.....	≥ 2900	psi	_____
T-106	Mortar Cube Strength, 28 day.....	>3480	psi	_____
T-154	Gillmore Initial Set Time.....	≥45	minutes	_____
T-154	Gillmore Final Set Time.....	≤420	minutes	_____
Technician: _____		Date Completed: _____		

Chemical Tests (XRF):				
T-105	Silicon Dioxide.....	-----	Wt. %	_____
T-105	Aluminum Oxide.....	-----	Wt. %	_____
T-105	Ferric Oxide.....	-----	Wt. %	_____
T-105	Calcium Oxide.....	-----	Wt. %	_____
T-105	Magnesium Oxide.....	5.0	Wt. %	_____
T-105	Sulfur Trioxide.....	3.0	Wt. %	_____
T-105	Sodium Oxide.....	-----	Wt. %	_____
T-105	Potassium Oxide.....	-----	Wt. %	_____
T-105	Manganic Oxide.....	-----	Wt. %	_____
T-105	Phosphorous Pentoxide.....	-----	Wt. %	_____
T-105	Titanium Dioxide.....	-----	Wt. %	_____
T-105	Strontium Oxide.....	-----	Wt. %	_____
T-105	Loss on Ignition.....	3.0	Wt. %	_____
M-85	Total Alkalies (as Sodium Oxide).....	-----	Wt. %	_____
	% Slag by SiO ₂	-----	Wt. %	_____
	% Slag by AL ₂ O ₃	-----	Wt. %	_____
	Average % Slag by Chemical Analysis	25-29	Wt. %	_____
Technician: _____		Date Completed: _____		

Remarks:

In conformance with the specifications of AASHTO M-240 this sample of cement is _____

Lab Supervisor: _____ Date: _____ Lab Manager: _____