



CONCRETE COMPRESSIVE STRENGTH

Test Method: ASTM C39

Report #: CC-000005
Sample 256128 28-day
Report Date: 07/30/2021
Sample: 256128

S&ME, Inc.
3201 Spring Forest Road
Raleigh, NC 27616
Phone: 919-872-2660
Fax: 919-876-3958

Client: SHEETZ, Inc.
1737 White Kennel Road
Burlington, NC 27215

Project: 214164
Sheetz #716 Cameron
Intersection of Sawyer Rd and NC Hwy 24
Cameron, NC 28326

Sample Details

Set #:	1	Technician:	NICHOLAS GEMBERLING	Batched:	13:05 EDT
Specimen Size:	4" X 8"	Cast By:	NICHOLAS GEMBERLING	Sampled:	13:45 EDT
Specimens In Set:	5	Date Cast:	06/25/21	Cast:	14:00 EDT
Truck / Ticket #:	0692 / 2446192	Sampled From:	Chute	Truck Empty:	14:15 EDT
Contractor:	Gates Concrete	Placement Method:	Pump	Placement Time:	70 (min)

Location

Placement Location:	BUILDING - Foundation Wall
Location Details:	Building and Car Wash foundations
Sample Location / Notes:	Car Wash foundations

Batch Log

Supplier:	05-S & W Concrete	Mix Design:	F30CBNA	Strength:	3000 (psi)
Plant:	Plant 24			Air:	0.0 - 3.0 (%)
On-Site Admixtures:	None			Slump:	3 - 5 (in)

Specifications

Field Measurements

Weather:	Sunny	Slump (in):	4-1/2 (ASTM C143)	Plastic Unit Weight:	145.8 (lb/ft³) (ASTM C138)
Air Temperature (F):	81	Concrete Temp (F):	82 (ASTM C1064)	Air Content:	2.1 (ASTM C231)
				Load Volume:	10.00 (yd³)

Standard Cure

Field Cure

Lab Test Results

Testing Lab: Raleigh, 3201 Spring Forest Road, Raleigh, NC, 27616

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
1-1	7	07/02/21	5 / 2	3.99	12.50	31,000	2,480	5	P7	U
1-2	28	07/23/21	5 / 23	3.99	12.50	43,950	3,520	5	P	U
1-3	28	07/23/21	5 / 23	3.99	12.50	46,660	3,730	5	P	U
1-4	28	07/23/21	5 / 23	3.99	12.50	43,130	3,450	5	P	U
1-5	28 H	07/23/21	5 / 23							

Test Age Average Strengths (psi): 7 Day - 2480, 28 Day - 3570

Capping Methods

P7: The 7-day compressive strength test result meets or exceeds 70% of the 28-day specified strength.	U: Unbonded Caps (ASTM C1231)
P: The compressive strength test result meets or exceeds the 28-day specified strength.	
Tested By: Melody BREWER (1), Mal KRAJAN (2,3,4,5)	
Checked In : 06/30/2021 (1,2,3,4,5)	



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6

Reviewed/Prepared by:
Jan ROSS
Jul 30, 2021