



RELATIVE DENSITY TEST

Project No.: 50160-0-4296
 Phase: _____ Task: _____ Boring No.: N/A
 Project Name: Carolina Stalite Depth: N/A
 Tested By: GLW Sample No. _____
 Date: 12/06/02 Reviewed By: *[Signature]*
 Record #: 00085 Date: 12/7/02
 ID #: 001367

Minimum Density (ASTM D4254-91)

Wt. of Mold + Sample (grams)	Minimum Density	
Trial 1 16737.84	Weight of Mold	5875.2 grams
Trial 2 16783.2	Weight of Sample	10945.8 grams
Trial 3 16941.96	Volume of Mold	0.5 ft ³
Average 16821.0	Dry Density of Sample	48.6 pcf

Maximum Density (ASTM D4253-91)

	Dry Method	Wet Method
Diameter of Mold	10.000 inches	10.000 inches
Height of Mold	10.900 inches	10.900 inches
Height from the top of Mold to Top of Spacer	2.028 inches	1.759 inches
	2.000 inches	1.661 inches
	2.048 inches	1.667 inches
	2.029 inches	1.642 inches
	Average 2.026 inches	1.682 inches
Spacer Thickness	0.540 inches	0.540 inches
Height of Sample	8.334 inches	8.678 inches
Volume of Sample	0.3788 ft ³	0.3944 ft ³
Dry Weight of Sample	9887.0 grams	10794.6 grams
Dry Density	57.4 ft ³	60.2 ft ³



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Minimum Density		48.6 pcf
Maximum Density	Dry Method	57.4 pcf
	Wet Method	60.2 pcf

