



The Monarch Cement Company

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Certified Mill Test Report - Masonry Type - S

Production Period: February 2024

The following is based on average test data during the production period. The data is typical of cement produced at The Monarch Cement Company, Humboldt, KS. Individual shipments may vary.

	ASTM C91	MONARCH
Fineness, residue on No 325 sieve (45 micron)		
Maximum %.....	24	0.9
Autoclave Expansion - - Maximum %	1	-0.01
Gillmore Time of Setting, Initial, Minimum (minutes).....	90	135
Gillmore Time of Setting, Final, Maximum (minutes).....	1000	210
Compressive Strength - - PSI		
7 Days, Minimum.....	1300	2443
28 Days, Minimum.....	2100	2896
Air Content of Mortar		
Minimum %.....	8	16
Maximum %.....	19	
Water Retention - -		
Minimum % of original flow	70	86.5

The cement in this shipment meets standard requirements in the current specifications of the Federal Government and the American Society for Testing and Materials . All tests conform to ASTM Test Methods: Chemical C-114, Blaine C-204, Soundness C-151, Gillmore C-266, Compressive Strength C-109, Air Content C-185, and C-91.

Date: 7/23/2024

Mitchell R. King
Quality Control Manager