



The Monarch Cement Company

449 1200 Street · PO Box 1000 · Humboldt, KS 66748
Phone: 620-473-2222 · Fax: 620-473-2447

Certified Mill Test Report - Masonry Type - N

Production Period: December 1 - December 31, 2017

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	1.3
Autoclave Expansion - - Maximum %	1	-0.013
Gillmore Time of Setting, Initial.....	2	2:40
Compressive Strength - - PSI		
7 Days.....	500	1393
28 Days.....	900	1621
Air Content of Mortar		
Minimum %.....	8	17.5
Maximum %.....	21	
Water Retention - -		
Minimum % of original flow	70	90.2

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: 4/12/2018

Sean D. Bowman
Quality Control Supervisor