

Resource Materials Testing, Inc.

"Specialists in Fly Ash Testing"

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REPORT OF STABILIZER ANALYSIS

TO: Ash Grove Resources, LLC
Attn: Mr. Brady Pryor
5375 SW 7th Street, Suite 400
Topeka, KS 66606-2552

PROJECT NO. RMT-467
SAMPLE NO. 17806
DATE REC.: 10-19-10
DATE REP.: 12-17-10

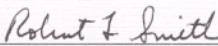
PROJECT NAME: Ash Grove Durabase® CKD Quality Assurance Program
SAMPLE ID: Midlothian Ash Grove Durabase® CKD

CHEMICAL ANALYSIS, ignited basis, wt%: RESULTS:

Silicon Dioxide, SiO ₂	19.91
Aluminum Oxide, Al ₂ O ₃	5.48
Iron Oxide, Fe ₂ O ₃	1.99
Sum of SiO ₂ , Al ₂ O ₃ & Fe ₂ O ₃	27.38
Calcium Oxide, CaO	54.69
Magnesium Oxide, MgO	0.91
Sodium Oxide, Na ₂ O	0.70
Potassium Oxide, K ₂ O	4.37
Sulfur Trioxide, SO ₃	10.85
Moisture Content	0.14
Loss on Ignition	20.00
Available Lime Index, %CaO	7.08

PHYSICAL TESTING:

Amount Retained on A No. 325 Sieve,%	33.8
C 109 Cubes w/o cement, psi	
3-day	62
7-day	225
28-day	338
Water Requirement, ml	324
Density	2.84

By 
Robert L. Smith, Ph.D.