



## 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 7<sup>th</sup> Street, Suite 400  
Topeka, KS 66606-2552

PROJECT NO. RMT-467  
SAMPLE NO. 17504  
DATE REC.: 04-21-10  
DATE REP.: 06-02-10

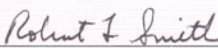
PROJECT NAME: Ash Grove Durabase® CKD Quality Assurance Program  
SAMPLE ID: Foreman Durabase® CKD

#### CHEMICAL ANALYSIS, ignited basis, wt%: RESULTS:

Silicon Dioxide, SiO <sub>2</sub>	19.93
Aluminum Oxide, Al <sub>2</sub> O <sub>3</sub>	6.06
Iron Oxide, Fe <sub>2</sub> O <sub>3</sub>	3.14
Sum of SiO <sub>2</sub> , Al <sub>2</sub> O <sub>3</sub> & Fe <sub>2</sub> O <sub>3</sub>	29.13
Calcium Oxide, CaO	64.80
Magnesium Oxide, MgO	1.02
Sodium Oxide, Na <sub>2</sub> O	0.08
Potassium Oxide, K <sub>2</sub> O	1.80
Sulfur Trioxide, SO <sub>3</sub>	2.73
Moisture Content	0.14
Loss on Ignition	3.81
Available Lime Index, %CaO	28.58

#### PHYSICAL TESTING:

Amount Retained on A No. 325 Sieve,%	32.7
C 109 Cubes w/o cement, psi	
3-day	560
7-day	940
28-day	1,125
Water Requirement, ml	420
Density	2.96

By   
Robert L. Smith, Ph.D.