



# THORNTON LABORATORIES TESTING & INSPECTION SERVICES, INC.

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16-Feb-2017

Report For: MDF  
Mineral Development Fertilizer  
4000 SR 60 East  
Mulberry, FL 33860

Sample Identification:  
Agricultural Calcium Phosphate  
Id: Composite #1 of Initial Clays, 1/26/2017  
Date Received: 2-Feb-2017  
Laboratory Sample Number: 402402

## CERTIFICATE OF ANALYSIS

Method	Parameter	Result	Units
AOAC 978.02	Nitrogen, Total (N)	0.51	%
AOAC 2006.03 (mod)	Calcium (CaO)	18.53	%
AFPC IX.3.C	Phosphate, Total (P2O5)	14.91	%
AOAC 963.03 B(a)	Phosphate, Citrate Insoluble (P2O5)	10.20	%
AOAC 960.02	Phosphate, Available (P2O5)	4.71	%
AOAC 977.01, 958.01	Phosphate, Water Soluble (P2O5)	0.26	%
AOAC 958.02	Potassium, Water Soluble (K2O)	< 0.01	%
AOAC 982.01	Boron (B), Total	0.009	%
AFPC IX.18.A	Sulfur, Total (S)	0.18	%
AOAC 2006.03 (mod)	Copper (Cu)	0.007	%
	Iron (Fe)	2.26	%
	Magnesium (Mg)	0.59	%
	Manganese (Mn)	0.026	%
	Molybdenum (Mo)	0.0006	%
	Sodium (Na)	0.13	%
	Zinc (Zn)	0.006	%
AFPC IX.5.A	Silicon Dioxide (SiO2)	30.69	%
JAOAC, Vol. #96, #2, 2013	Silicon, Soluble (Si)	0.04	%

Stephen B. Fickett, III  
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