

# BROOKSIDE LABORATORIES, INC.

\*\* LIMING MATERIAL REPORT \*\*

PBD Kalk

File Number: 56038  
Date Received: 08/13/2013  
Date Reported: 08/15/2013

Submitted By: Vermi Solutions

Lab Number	L161	L162
Location		
Description	1	2

PERCENTAGES (%)	As Is	As Is
Calcium (Ca)	32.094	30.190
as Ca Oxide	44.906	42.242
as Ca Carbonate	80.148	75.393

Magnesium (Mg)	0.687	0.699
as Mg Oxide	1.139	1.159
as Mg Carbonate	2.382	2.424
as CaCO3 equivalent	2.828	2.877

Total Neutralizing Power (C.C.E.) in terms of CaCO3	86.95	86.20
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Sodium (Na)	< 0.010	< 0.010
Potassium (K)	< 0.100	< 0.100
Sulfur (S)	< 0.500	< 0.500

PARTS PER MILLION (ppm)		
Iron (Fe)	4330.00	4430.00
Manganese (Mn)	989.00	940.00
Copper (Cu)	13.75	14.15
Zinc (Zn)	10.41	11.55
Boron (B)	< 10.00	< 10.00

FINENESS TEST	Sieve Number	% Passing	% Passing
	8	99.9	99.8
	20	72.8	65.8
	60	45.5	42.5
	100	40.5	38.0

E.C.C. %	58 %	54 %
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Lab Number	L163	L164
Location		
Description	3	4

PERCENTAGES (%)	As Is	As Is
Calcium (Ca)	27.909	30.701
as Ca Oxide	39.050	42.957
as Ca Carbonate	69.697	76.670

Magnesium (Mg)	0.653	0.680
as Mg Oxide	1.083	1.127
as Mg Carbonate	2.264	2.358
as CaCO3 equivalent	2.688	2.799

Total Neutralizing Power (C.C.E.) in terms of CaCO3	83.80	86.10
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Sodium (Na)	< 0.010	< 0.010
Potassium (K)	< 0.100	< 0.100
Sulfur (S)	< 0.500	< 0.500

PARTS PER MILLION (ppm)		
Iron (Fe)	4190.00	4120.00
Manganese (Mn)	849.00	860.00
Copper (Cu)	15.05	13.85
Zinc (Zn)	< 10.00	< 10.00
Boron (B)	< 10.00	< 10.00

FINENESS TEST	Sieve Number	% Passing	% Passing
	8	100.0	99.9
	20	78.2	73.0
	60	52.0	44.9
	100	47.0	44.5

E.C.C. %	60 %	58 %
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Submitted By: Vermi Solutions

Lab Number	L165	L166
Location		
Description	5	6

PERCENTAGES (%)	As Is	As Is
Calcium (Ca)	30.404	30.693
as Ca Oxide	42.541	42.946
as Ca Carbonate	75.928	76.650

Magnesium (Mg)	0.699	0.713
as Mg Oxide	1.159	1.182
as Mg Carbonate	2.424	2.472
as CaCO3 equivalent	2.877	2.935

Total Neutralizing Power (C.C.E.) in terms of CaCO3	85.50	84.70
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Sodium (Na)	< 0.010	< 0.010
Potassium (K)	< 0.100	< 0.100
Sulfur (S)	< 0.500	< 0.500

PARTS PER MILLION (ppm)		
Iron (Fe)	4470.00	4815.00
Manganese (Mn)	872.50	862.00
Copper (Cu)	14.20	14.80
Zinc (Zn)	< 10.00	< 10.00
Boron (B)	< 10.00	< 10.00

FINENESS TEST	Sieve Number	% Passing	% Passing
	8	99.6	99.9
	20	65.9	76.6
	60	41.7	51.3
	100	39.6	44.7

E.C.C. %	54 %	59 %
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Reviewed by:

