WesternLime

WESTERN DOLOMITIC HYDRATED LIME
AIR ENTRAINED TYPE SA

Typical Analysis 2003

		As Received	Loss Free
Calcium Oxide	CaO	43.57%	59.00%
Magnesium Oxide	MgO	28.42%	38.48%
Aluminum Oxide	Al_2O_3	.37%	.50%
Ferric Oxide	Fe_2O_3	.30%	.41%
Silicon Dioxide	SiO_2	.98%	1.33%
Sulfur Trioxide	SO_3	.08%	.11%
Sodium Oxide	Na_2O	.05%	.07%
Phosphorous Pentoxide	P_2O_5	.00%	.00%
Potassium Oxide	K_2O	.02%	.03%
Titanium Dioxide	TiO_2	.03%	.04%
Manganese Oxide	Mn_2O_3	.02%	.03%
Strontium Oxide	SrO	.01%	.01%

Total Loss on Ignition	27.09%
@ 0-120°C (Free moisture)	.07%
@ 120-550°C (Hydrate H_2O)	24.18%
@ 550-1000°C (CO_2 loss in N_2)	2.84%

Calcium Oxide (CaO) + Magnesium Oxide (MgO) (Non-volatile basis)	97.48%
Carbon Dioxide (CO_2) ("As Received" basis)	2.84%
Unhydrated Oxides as Magnesium Oxide (MgO) ("As Received" basis)	2.99%

Emley Plasticity	352
Water Retention	98.2
No. 30 Residue	0.12

Conforms to ASTM C-207 specifications for "Type SA" hydrated lime