A.H.O Enterprise - Limestone Specifications

Chemical Composition

Parameter	Method	Unit	Results
Calcium Carbonate (CaCO3) (Purity) (Calculated)	Based on ASTM-C 25-11	%	98.55
Calcium Oxide (CaO)	Based on ASTM-C 25-11	%	55.16
Silica (SiO2)	Based on ASTM-C 25-11	%	0.6
Alumina (AI2O3)	Based on ASTM-C 25-11	%	0.17
Iron as Fe2O3	Based on ASTM-C 25-11	%	0.21
Magnesium Oxide (MgO)	Based on ASTM-C 25-11	%	0.19
Magnesium Carbonate (MgCO3)	Based on ASTM-C 25-11	%	0.51
Sulphur (S)	Based on ASTM-C 25-11	%	< 0.01
Loss on Ignition (LOI)	Based on ASTM-C 25-11	%	43.66
Potassium as K2O	Based on SMCA, Wilfered W. Scott (AAS/ICP)	%	0.1
Sodium as Na2O	Based on SMCA, Wilfered W. Scott (AAS/ICP)	%	0.02
Phosphorous (P)	Based on SMCA, Wilfered W. Scott (AAS/ICP)	%	< 0.01
Arsenic (As)	Multi Acid Digestion Final Finish ICP-OES	PPM (mg/kg)	< 5
Lead (Pb)	Multi Acid Digestion Final Finish ICP-OES	PPM (mg/kg)	< 5
Cadmium (Cd)	Multi Acid Digestion Final Finish ICP-OES	PPM (mg/kg)	< 5

Mineral Properties

Parameter	Method	Unit	Results
pH	Instrumental		8.77
Moisture	Gravimetric	%	0.1
Loss on drying at 200 oC	Gravimetric	%	0.11
Specific Gravity	Gravimetric		2.56
Bulk Density	Gravimetric	g/cm3	1.35
Particle Shape (Microscopic)			Irregular, uniaxial
CAS Number			1317-65-3