

Commodity: Special Hydrated Lime

Identifications :

Parameter	Value / Description
Name	Calcium Hydroxide, Hydrated Lime
Linear Formula	Ca(OH)_2
Form	Powder
Molecular Weight	74.09 gr/mol
Specific Gravity	2.2 – 2.4
Density	400–600 kg/m ³
PH	12 – 12.5 at 20°C (saturated solution)
Solubility in water	0.173 / 100 cm ³ (sat. soln)

Residual On Mesh %WT :

Mesh Size	Percentage
No.100 (150 micron)	Max 0%
No.170 (90 micron)	Max 0.5%
No.200 (74 micron)	Max 1%
No.325 (45 micron)	Max 2%
No.400 (37 micron)	Max 5%

Chemical Analysis :

Component	Limit	Component	Limit
Ca(OH) ₂	95% – 96.5%	P ₂ O ₅	<0.01%
Available CaO	72% – 73.1%	MnO	<0.02%
CaCO ₃	1.5% – 3%	Na ₂ O	<0.1%
Free CaO	<1%	K ₂ O	<0.04%
MgO	<0.4%	SO ₃	Trace
SiO ₂	<0.2%	L.O.I	24% – 24.5%
Al ₂ O ₃	<0.2%	Moisture	<0.1%
Fe ₂ O ₃	<0.1%		