

H&I Chemicals Ltd

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SALES SPECIFICATION

CALCIUM DIHYDROXIDE (HYDRATED LIME)

Form:	Fine white/ off white powder
Calcium Hydroxide ($\text{Ca}(\text{OH})_2$):	95.0% min
Magnesium Hydroxide ($\text{Mg}(\text{OH})_2$):	1.4% max
Carbon Dioxide (CO_2):	1.10% max
Silica (SiO_2):	1.00% max
Alumina (Al_2O_3):	0.20% max
Iron Oxide (Fe_2O_3):	0.10% max
Sulphur (S):	0.025% max
Moisture (H_2O):	0.75% max
Arsenic (As):	2.5 ppm max
Fluorine (F):	110 ppm max
Lead (Pb):	5.0 ppm max
Cadmium (Cd):	1.0 ppm max
Mercury (Hg):	0.10 ppm max
Nickel (Ni):	10 ppm max
Manganese (Mn):	250 ppm max

Other Typical Properties

Loss on Ignition:	24.80%
BET SSA:	14-18 m^2/g
Bulk density:	450 – 520 kg/m^3
Mean particle size (D_{50}):	7 – 9 μm

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