



**BULK CHEMICAL  
PRODUCT SPECIFICATION SHEET**

Date 10-Feb-21  
Last Modified 28-May-21

Client	Made:	Checked
<b>TCTA Central/Eastern Basin AMD Treatment Plants</b>	KBO	NZW

Enq/Con No. <b>WO2027/WO2030</b>	Description <b>QUICKLIME / BURNT LIME / UNHYDRATED LIME</b>	Rev 1	Sheet 1 of 1
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Parameter / Property	Min/Max	TCTA Contractual Specification <sup>1</sup>	Minimum Operational Specification Required for RFQ <sup>2</sup>
		(% m/m Unless Otherwise Stated)	
Available Calcium as CaO	<b>Min</b>	<b>89</b>	<b>85</b>
Total Calcium as CaO	Min	<b>92</b>	<b>87</b>
Total Magnesium as MgO	Max	<b>2</b>	<b>3</b>
Silica as SiO <sub>2</sub>	Max	<b>2</b>	<b>3</b>
Manganese as Mn <sub>2</sub> O <sub>3</sub>	Max	<b>1.2</b>	<b>2</b>
Iron as Fe <sub>2</sub> O <sub>3</sub>	Max	<b>0.5</b>	<b>2</b>
Aluminium as Al <sub>2</sub> O <sub>3</sub>	Max	<b>0.3</b>	<b>2</b>
Carbon Dioxide as CO <sub>2</sub>	Max	<b>2</b>	<b>2</b>
Free Carbon as C	Max	<b>0.01</b>	<b>0.2</b>
Sulphur as SO <sub>3</sub>	Max	<b>0.05</b>	<b>0.2</b>
Phosphorus as P <sub>2</sub> O <sub>5</sub>	Max	<b>0.01</b>	<b>0.2</b>
Bulk density (kg/m <sup>3</sup> )	Aerated	<b>800 - 900</b>	<b>800 - 900</b>
	De-Aerated	<b>1000 - 1300</b>	<b>1000 - 1300</b>
Particle Size Distribution (Minimum % of Material Smaller than Stated Size)	<75 µm		<b>70%</b>
	<150 µm		<b>90%</b>
	<250 µm	<b>100%</b>	<b>95%</b>
	<600 µm		<b>99%</b>
	<850 µm		<b>99.5%</b>
	<2350 µm		<b>100%</b>
Angle of Repose (°)	<b>Max</b>		<b>10</b>
Free Moisture	<b>Max</b>		<b>0.5%</b>
Reactivity (R / DIN) when Produced	<b>Min</b>		<b>4</b>

**Explanatory Notes**

1. TCTA specification included for reference
2. Quicklime quality required for this RFQ