

Calcite is a granular calcium based media used in water treatment processes to elevate Ph, alkalinity and subsequently the LSI index.

Hydramet distributes Calcite to a range of customers who commonly experience a low ph/alkalinity in their water supply. This method of treatment is particularly suited to applications where the low pH is attributed to high levels of carbon dioxide (as carbonic acid) within the water source.

The practiced method of neutralizing pH and raising alkalinity levels is through the use of a calcite contactor. A specific formulation of a calcium carbonate based product (Calcite) is contained within a purpose constructed vessel (using up flow method), or included as an additional layer within a dedicated filter bed (operated in down flow). Typically a contact time of 60-200 seconds is sufficient to treat the incoming water in order to increase alkalinity/hardness and to elevate pH. A key benefit of this technology is that the pH cannot be elevated past pH8 and as such the water quality in respect of pH will not exceed ADWQG 1996 guidelines.

TYPICAL HYDRAMET INSTALLATION





CALCITE

PRODUCT DATA

PRODUCT: NEUTRAFILT
Other Names: Calcite, Ground Marble, Calcium Carbonate
Size: -3.5 to 1.2mm

CHEMICAL ANALYSIS

Parameter	Percentage	Parameter	Percentage
Silica (SiO ₂)	0.38%	Titanic Dioxide (TiO ₂)	0.01%
Alumina (Al ₂ O ₂)	0.32%	Phosphoric Anhydride (P ₂ O ₅)	Trace %
Ferric Oxide (Fe ₂ O ₃)	Nil	Sulphur Trioxide (SO)	0.02%
Ferrous Oxide (FeO)	0.48%	Chlorine (Cl)	0.02%
Magnesia (MgO)	0.86%	Ferric Disulphide (FcS ₂)	-----%
Lime (CaO)	54.08%	Chromium Sesquioxide (C ₂ O ₃)	-----%
Soda	No ₂ O	Manganous Oxide (MnO)	0.05%
Potash (K ₂ O)	0.04%	Barium Oxide (BaO)	-----%
Water at 100°C (H ₂ O)	0.03%	Strontium Oxide (SrO)	-----%
Water >100°C (H ₂ O)	0.13%	Organic Matter	-----%
Carbon Dioxide (CO ₂)	43.59%		

* Chemical Analysis performed by NATA certified laboratory

PRODUCT PACKAGING

Calcite is available in standard pack sizes as follows:

- 25kg Bags
- 1 Tonne Bags

*SG = 2.7 – 2.95

PRODUCT PRICING

Pricing is very dependant on quantity requirements and relevant freight costs.

For Product, Equipment or System enquiries please contact our office.

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