



# Calcium GAC PRODUCT DATA SHEET

**Type: Black Granular Bone Char**

Crystal Quest® Eagle® Activated Charcoal Based Fluoride Removal Media is a black, granular solid obtained by calcining cattle bones. Through the calcining process crushed bone is stripped clean leaving carbon and tricalcium phosphate. Bone char has proven to be a valuable filtering media in the purification of sugar syrups, removing dissolved contaminants from aquamarine water and removing fluoride from water. Bone char also has a high absorptive capacity for lead, mercury and arsenic.

## General Specifications:

Carbon Content	9% - 11%
Acid Soluble Ash	3% max.
Tricalcium Phosphate (Hydroxyapatite)	70% – 76%
Calcium Carbonate	7% – 9%
Calcium Sulfate	0.1% – 0.2%
Surface Area (BET N <sup>2</sup> )	200 m <sup>2</sup> /g
Carbon Surface Area	50 m <sup>2</sup> /g
Hardness Number	80 min.
Iron	<0.3%
Pore Size Distribution	7.5 – 60,000 nm
Pore Volume	0.225 cm <sup>3</sup> /g
Moisture (as packed)	5% max.
pH	8 – 10 Typical
Bulk Density	40 Lbs./Ft <sup>3</sup>
Typical Mesh Size Available	5 X 8 / 8 X 24 / 20 x 60

**Packing: 55 Pound Bags Net**