



A Huber Company

**Hubercarb® Q5-20
CALCIUM CARBONATE**

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DESCRIPTION

A granular calcium carbonate produced at Huber's Quincy, Illinois plant which is known for its natural uniformity producing consistent purity and brightness. The controlled particle distribution allows the material to be used as a carrier in agricultural products.

TYPICAL PHYSICAL PROPERTIES

Median Particle Size (μ , calculated)	Q5-20 2410
Moisture (% , ASTM D280)	0.1
Loose Bulk Density (lb/ft ³ , ASTM C110)	88
Compacted Bulk Density (lb/ft ³ , ASTM C110)	98
Acid Solubility (% in HCl)	98.5 - 99

PARTICLE SIZE (SCREEN) ANALYSIS

Mesh size	%
+ 6	6
-20	2

TYPICAL CHEMICAL ANALYSIS

Calcium Carbonate	% 96.5
Magnesium Carbonate	2.0
Silica and Silicates	1.0
Other	0.5

MINERAL PROPERTIES

Color	Quincy, IL White
Alkalinity (as NaOH, ASTM D1208)	0.4 mg/gm
pH (ASTM D1208)	9.4 (saturated solution)
Hardness (Hand. Of Chem. & Phy)	3 Mohs, relatively non-abrasive
Solubility (Hand. Of Chem. & Phy)	0.0035 gm/100 mL H ₂ O at 100°C
Particle Shape (Microscope)	Irregular, uniaxial
Specific Gravity (ASTM D153)	2.7
Refractive Index (Hand. Of Chem. & Phy)	1.6
Weight per Gallon (s.g. x 8.345)	22.6 lbs/solid gallon
Linear Expansion Coefficient (Hand. Of Chem. & Phy)	4.3 x 10 ⁻⁶ /°C

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