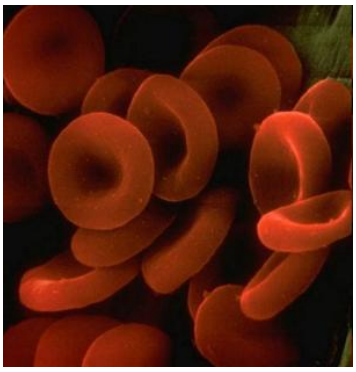
CALIFORNIA EARTH MINERALS®

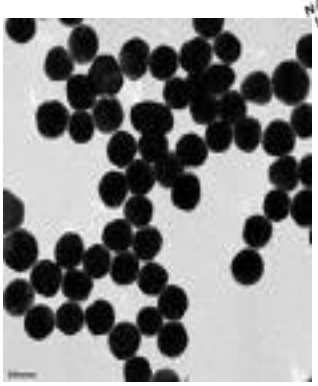
Live Healthy™

Putting Size Into Perspective

Human Hair
80,000nm (80µm)

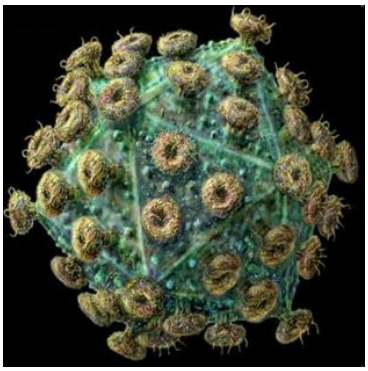


Red Blood Cells
5,000nm (5µm)



Colloidal Silica
20nm to 500nm
(0.02µm to 0.5µm)

A colloid is any particle whose size is smaller than 1µm
One micron (1µm) is 1 millionth (10^{-6}) of one meter
One micron is 1000 nanometers (nm)
TERRAMIN is a colloidal-sized clay material



AIDS Virus 100nm (0.1µm)

DNA 3nm (0.003µm)

Information supplied by David Fairhurst, PhD., C. Sci., C. Chem., FRSC. Colloid Consultants, LTD
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WHY SURFACE AREA (SIZE) MATTERS

Massive Solid
Size: 1cm
Total Surface Area = 6cm^2

TERRAMIN Clay
Size: 10nm
Total Surface Area of 1 gm = 60m^2

Surface Area of 600m^2 is sufficient to cover the surface of an Olympic size pool!

Surface Area (Size) Impacts product manufacture, use, performance and behavior. It is **absolutely critical for bio-availability/absorbability**

TERRAMIN is a colloidal clay mineral that has a measured surface area of approximately 60m^2 per gm. Thus, a portion of only 10gm (0.35 oz.) or about one heaped teaspoon of TerraMin would cover the surface of the Olympic size swimming pool pictured above.

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