



Comparison between Phytodroitin™ and Chondroitin

We engaged Nottingham Trent University (NTU) in the UK to compare the mucopolysaccharide structure of Phytodroitin™ with Chondroitin Sulphate of Bovine, Shark and Avian origins, together with a standard Chondroitin Sulphate (bovine trachea origin) obtained from Sigma Aldrich.

NTU used Fourier Transform Infrared (FTIR) spectroscopy, sampling of the powders being performed using the attenuated total reflectance technique:

Results:

Phytodroitin™ was shown to be almost identical in mucopolysaccharide structure to Chondroitin Sulphate of Shark origin, and particularly Chondroitin of Avian origin. Chondroitin Sulphate of Bovine origin showed a slightly different spectrum to the other sources, but was consistent with the standard (no surprise, as it was also of bovine origin).

Conclusion:

Phytodroitin™ has a virtually identical mucopolysaccharide structure to both Avian and Shark origin Chondroitin Sulphate, and is structurally similar to bovine Chondroitin

