


## Report for Biotivia, LLC

Sample ID	Brunswick Lab ID	ORAC <sub>hydro</sub> * ( $\mu$ moleTE/g)
Polygonum Cuspidatum Extract 0908198-18	09-50186	23,843

\* The ORAC analysis provides a measure of the scavenging capacity of antioxidants against the peroxy radical, which is one of the most common reactive oxygen species (ROS) found in the body. ORAC<sub>hydro</sub> reflects water-soluble antioxidant capacity. Trolox, a water-soluble Vitamin E analog, is used as the calibration standard and the ORAC result is expressed as micromole Trolox equivalent (TE) per gram.

The acceptable precision of the ORAC assay is 15% relative standard deviation.<sup>i ii</sup>

Testing performed by Y.Kou

Approved by:   
Boxin Ou, PhD.

B-50108 / 09-18-09 hj

Samples will be discarded one month from report date, unless otherwise notified by customer in writing.

<sup>i</sup> Ou, B.; Hampsch-Woodill, M.; Prior, R. L.; Development and Validation of an Improved Oxygen Radical Absorbance Capacity Assay using Fluorescein as the Fluorescent Probe. Journal of Agricultural and Food Chemistry.; 2001; 49(10); 4619-4626

<sup>ii</sup> Ou, B.; Huang, D.; Hampsch-Woodill, M.; Method for Assaying the Antioxidant Capacity of A Sample. \*US Patent 7,132,296 B2\*