


Report for Biotivia, LLC

Sample ID	Brunswick Lab ID	ORAC _{hydro} * (μ moleTE/g)
Polygonum Cuspidatum Extract 0909110-02	09-50185	15,019

* 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_{hydro} 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.^{i ii}

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.

ⁱ 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

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