

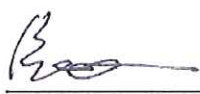
Report for Marcus Sims

| Sample ID | Brunswick Lab ID | ORAC _{hydro} * (μ moleTE/g) | ORAC _{lipo} [^] (μ moleTE/g) | ORAC _{total} (μ moleTE/g) |
|--|---------------------|--|--|--|
| 2 oz Bag Maqui berry freeze dry powder | 09-0975 | 776 | 8 | 784 |

*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 and the [^]ORAC_{lipo} is the lipid soluble antioxidant capacity. ORAC_{total} is the sum of ORAC_{hydro} and ORAC_{lipo}. 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.^{1-2,3}

Testing performed by Y.Kou

Approved by: 
 Boxin Ou, Ph.D.

B-8923a / Y.Kou 5-7-09, revised mk 03-18-10.

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

¹ 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

² Huang, D.; Ou, B.; Hampsch-Woodill, M.; Flanagan, J.; Deemer, E. K.; Development and Validation of Oxygen Radical Absorbance Capacity Assay for Lipophilic Antioxidants using Randomly Methylated – Cyclodextrin as the Solubility Enhancer. Journal of Agricultural and Food Chemistry.; 2002, 50(7); 1815-1821.

³ Ou, B.; Huang, D.; Hampsch-Woodill, M.; Method for Assaying the Antioxidant Capacity of A Sample.
 US Patent 7,132,296 B2