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Report for Orcas International

Sample ID	Brunswick Lab ID	$ORAC_{hydro}$* (µmoleTE/g)	$ORAC_{lipo}$^ (µmoleTE/g)	$ORAC_{total}$ (µmoleTE/g)
BCM 95 Lot# CG/0607/B11	07-0229	12,617	2,887	15,504

*The ORAC analysis provides a measure of the scavenging capacity of antioxidants against the peroxyl 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 J. Theobald and J. Frietas.

Approved by: _____
Boxin Ou, PhD.
Vice President

B-5492 / 1-31-2007 lrh

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*