

Report for Vinomis

Sample ID	Brunswick Lab ID	ORAC _{hydro} * (μmoleTE/tablet)	ORAC _{lipo} [^] (μmoleTE/tablet)	ORAC _{total} (μmoleTE/tablet)
VINDURE 900 Lot # 0509	09-1167	17,677	1,961	19,638

*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 tablet.

The acceptable precision of the ORAC assay is 15% relative standard deviation.¹⁻²⁻³

Testing performed by Y. Kou & H. Ji.

Approved by: 
 Boxin Ou, Ph.D.

B-9026 / Y. Kou 6-4-09

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*