

Report for:



Sample ID	Brunswick Lab ID	ORAC _{hydro} * (μmoleTE/L)	ORAC _{lipo} ^ (μmoleTE/L)	ORAC _{total} (μmoleTE/L)
Kyäni Sunrise Lot# 0002	05-3417	29,460	5,536 +	34,996

*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. 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 liter.

+Calculated Value

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

Testing performed by J. Flanagan.

Approved by: 

Boxin Ou, PhD.

B-3833a / 12-23-05 jt

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.