BRUNSWICK LABORATORIES

200 Turnpike Rd
Southborough, MA 01772 USA
Phone: 508.281.6660
Fax: 508.281.6665
Email: info@brunswicklabs.com

Certificate of Analysis

Customer: GéSz Gaál és Sziklás Kft.
Sample Identification:
Batch #: B-12753b
BL ID #: 13- 0197
Description: Flavon Protect, paste, 12209
Date Received: 03/27/2013

Results:

Analysis	Result	Units
Antioxidant power against peroxyl radicals	344	µmole TE/gram
Antioxidant power against hydroxyl radicals	294	µmole TE/gram
Antioxidant power against peroxynitrite	32	µmole TE/gram
Antioxidant power against super oxide anion	1,012	µmole TE/gram
Antioxidant power against singlet oxygen	737	µmole TE/gram
Total $ORAC_{FN}$ (sum of above)	2,419	µmole TE/gram

* The acceptable precision of the ORAC assay is < 15% relative standard deviation

There are five predominant reactive species found in the body: peroxyl radicals, hydroxyl radicals, peroxynitrite, super oxide anion, and singlet oxygen. Total $ORAC_{FN}$ provides a measure of the total antioxidant power of a food/nutrition product against the five predominant reactive species.

The ORAC result is expressed as micromole trolox equivalency (µmole TE) per gram.

REFERENCES:

[1] Ou, B. *et al.*, *J Agric and Food Chem*, **2001**, 49 (10): 4619-4626.
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[4] Zhang, L. *et al.*, *Free Radic.Bio Med*, **2007**, 43 (suppl. 1): S17.
[5] Dubost, N.J. *et al.*, *Food Chem*, **2007**, 105 (2): 727-735
[6] Zhang, L. *et al.*, *J Agric and Food Chem*, **2009**, 57(7): 2661-2667.
[7] Ou, B. *et al.*, Method for Assaying the Antioxidant Capacity of A Sample. US Patent 7,132,296 B2.