



AB 564

Laboratory of Food Assessment and Health Diagnostics
 Faculty of Human Nutrition and Consumer Sciences, SGGW
 Nowoursynowska 159c Str., 02-776 Warsaw
 Certified research laboratory, No AB 564



Laboratory of Physicochemical Analysis

Order no: F/1-33/2016

Date: 20.01.2017 r.

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Research report:

Order no: F/1-33/2016

Title: Evaluation of the antioxidant properties, water activity and content of polyphenols in the chokeberry powders obtained by the different drying methods.

Number and date of order: F/1-33/2016; date: 17.03.2016

Customer: ADMOR M. Kapuściński i A. Kawecka Spółka Jawna; ul. Strzelecka 30; 26-600 Radom

Samples collected and delivered by customer: chokeberry powders

Samples does not raise any objections.

Period of evaluation: 01.10.2016. – 15.01.2017

Performed by: Anna Sadowska, Ph. D.

Results:

| Study | Methody | Samples code | | | |
|--|---|---------------------------|-------------------------------|--------------------------------|------------------------------------|
| | | F/1-33/2016 | F/2-33/2016 | F/3-33/2016 | F/4-33/2016 |
| | | "ADMOR" chokeberry powder | freez dried chokeberry powder | vacuum dried chokeberry powder | convective dried chokeberry powder |
| Polyphenols content (mg GAE/100 g of powder) | Spectrophotometric method by Singelton and Rossi (1965) | 2484.599 | 2147.168 | 2148.824 | 2255.858 |
| Antioxidant properties (μmol TEAC/1 g of powder) | Spectrophotometric method ABTS – by Re et al. (1998) | 588.087 | 585.058 | 560.724 | 542.827 |
| Water activity | PN ISO 21807 2005 | 0.1359 | 0.1235 | 0.1300 | 0.1628 |

Authorized by:

Anna Sadowska

Approved by:

KIEROWNIK
 Laboratorium Oceny Żywności
 i Diagnostyki Zdrowotnej

/ Dr inż. Monika Hoffmann /

Date of submission:

20.01.2017