

TEST REPORT N. 18/000496508

THIS CANCELS AND REPLACES TEST REPORT N° 18/000461151

date of issue 15/11/2018

Customer ID 0068088/012

Messrs
SILLIKER INC.
3437 SW 24TH AVENUE
GAINESVILLE, 32607-4502
US

Sample information

Acceptance number 18.646318.0001
Delivered by Fedex on 15/10/2018
Receiving Date 15/10/2018
Place of origin SILLIKER INC. 3437 SW 24TH AVENUE GAINESVILLE, 32607-4502 US
Sample Description sample 381462110 - Specially dehydrated kale powder

Sampling information

Sampled by Customer

ANALYTICAL RESULTS

	Value/Uncertain	Unit of measure	LoQ	LoD	Start/end date of analysis	Op. units	Ro w
ON SAMPLE AS IT IS							1
FLAVONOIDS					22/10/2018-	01	2
Met.: MP 0679 rev 5 2014					-23/10/2018		
Rutin	< LoQ	mg/kg	1,0				3
Quercetin	13,0±2,3	mg/kg	1,0				4
Naringenin	< LoQ	mg/kg	1,0				5
Apigenin	< LoQ	mg/kg	1,0				6
Kaempferol	19,0±3,2	mg/kg	1,0				7
Crisin	< LoQ	mg/kg	1,0				8
Galangin	< LoQ	mg/kg	1,0				9
RESEARCH ANALYSIS	see comment				22/10/2018-	01	10
Met.:					-15/11/2018		

Operative units

Unit 01 : Via Fratta Resana (TV)

Opinions and interpretations

The flavon glycosides determined in sample 18.646318.0001 are: quercetin, kaempferol and isorhamnetin. These are present bound to a sugar molecule (glycoside). Quercetin, kaempferol and isorhamnetin were determined by HPLC injection of the sample after acid hydrolysis and by comparison with the respective reference materials. (identity confirmation has been obtained comparing the peaks scan of quercetin, kaempferol and Isorhamnetin in the sample chromatogram with the one in the reference materials).

The data obtained are:
 Quercetin: 1723 mg/kg
 Kaempferol: 7140 mg/kg
 Isorhamnetin: 524 mg/kg

Chemical responsible
Dott.ssa Barbara Scantamburlo

 Chimico
 Ordine dei chimici - Provincia di Treviso
 Iscrizione n. A351

 Num. certificato 18131956 emesso dall'ente
 certificatore ArubaPEC S.p.A. NG CA 3, ArubaPEC
 S.p.A., IT

Laboratory manager
Dott. Sébastien Moulard

 Num. certificato 18132016 emesso dall'ente
 certificatore ArubaPEC S.p.A. NG CA 3, ArubaPEC
 S.p.A., IT

- If not otherwise specified, the uncertainty is extended and has been calculated with a coverage factor k=2 corresponding to a probability interval of about 95%. - LoD is the detection limit and identifies a confidence interval of zero with a probability interval of about 99%. - LoQ is the limit of quantification. "n.d" is not detected and indicates a value inferior to the LoD. "traces (X)" means a value between LoD and LoQ, this value is indicative. "<x" or ">x" indicate inferior or superior to the measurement field of the test. - If not differently specified, the sums are calculated by lower bound criteria (L.B.). - Registration with the number 7 of the Regional List of the laboratories of the Regione Veneto which perform analyses as regards the procedures for the food safety in food industries, as reported in Annex A of DDR n°73 of 16th January 2008