**Deutsches
Referenzbüro für
Ringversuche und
Referenzmaterialien**

CERTIFICATE FOR PARTICIPATION

DRRR Proficiency Testing

The participant

Środowiskowe Laboratorium Mikrospektroskopii,
Laboratory of Biological Physics, Institute of Physics
Pas, al. Lotników 32/46
02-668 Warsaw
Poland

Customer number: 11831

lab code number: 5

gets for the above mentioned quantitative proficiency testing the following valuation:

great success

To the above mentioned proficiency testing the corresponding report contains the statistical evaluations.

Kempten, 17.12.2018

Benjamin Bartl

Valuation:

If the mean of z'-scores of all evaluated results is smaller than 2 or equal and single z'-scores are smaller than 2 or equal you will get the valuation: „great success"

If the mean of z'-scores of all evaluated results is smaller than 2 or equal and single z'-scores are smaller than 2 or equal you will get the valuation: „success"

If the mean of z'-scores of all evaluated results is higher than 2 you will get the valuation: „participated"

RVEP 180746 carrot juice

Deutsches
Referenzbüro für
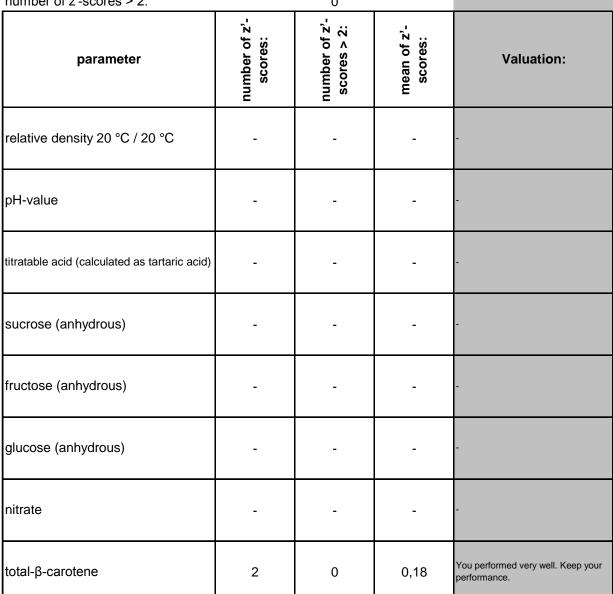**R**ingversuche und
Referenzmaterialien

Summary of your quantitative lab performance according to the reference methods

For your company

Środowiskowe Laboratorium Mikrospektroskopii,
Laboratory of Biological Physics, Institute of Physics

SUMMARY

customer number:	11831
lab code number:	5
number of z'-scores:	2
number of z'-scores > 2:	0

parameter	number of z'-scores:	number of z'-scores > 2:	mean of z'-scores:	Valuation:
relative density 20 °C / 20 °C	-	-	-	-
pH-value	-	-	-	-
titratable acid (calculated as tartaric acid)	-	-	-	-
sucrose (anhydrous)	-	-	-	-
fructose (anhydrous)	-	-	-	-
glucose (anhydrous)	-	-	-	-
nitrate	-	-	-	-
total-β-carotene	2	0	0,18	You performed very well. Keep your performance.

In this summary all your z'-score are selected for the evaluation. The z'-scores refer to the reference method. For routine reports we do not generate a performance summary for all used methods. In particular cases we can generate you a special performance summary with your used method.