

Expertise about ORP results of Royal Water Hungary Ltd's product.

made: József Perjési – food engineer

date of test: 08.05.2019

location: Hungary, 8083 Csákvár Kossuth u. 58.
Royal Water Hungary Kft Mineral water plant

tested product: Identification number of the tested ionised water A100214
Produced water: 14820 bottles

test methods:

Before the production, during the water preparation (**A100214**) I took samples from the ionizer unit (type: *NT 6000 Long Life*) outlet in every 30 minutes and made ORP measuring by *Adwa AD14* measuring device. (water preparation time : 08.05.2019. 9:10-12:00).

During the production (**A100214**) I took samples from the final, bottled products (type: *NT 6000 Long Life*) in every 30 minutes and made ORP measuring by *Adwa AD14* measuring device. (production time: 08.05.2019. 07:10-10:00).

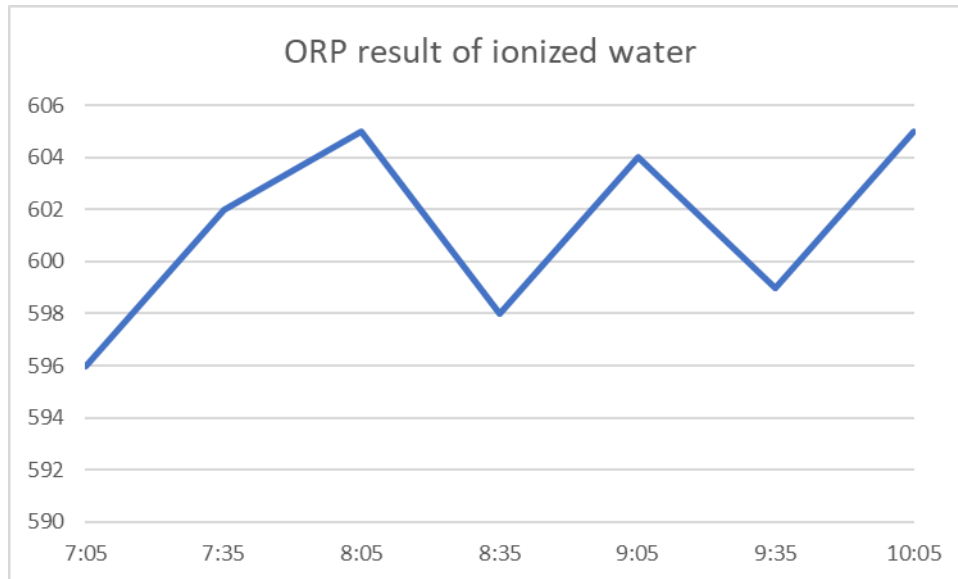
The outlet results are shown in the following tables:

number	sample	time	result (ORP)
1	Ionization unit outlet	07:05	596
2	Ionization unit outlet	07:35	602
3	Ionization unit outlet	08:05	605
4	Ionization unit outlet	08:35	598
5	Ionization unit outlet	09:05	604
6	Ionization unit outlet	09:35	599
7	Ionization unit outlet	10:05	605
	AVERAGE		601,29
	DISPERSION		3,64
	MIN		596
	MAX		605

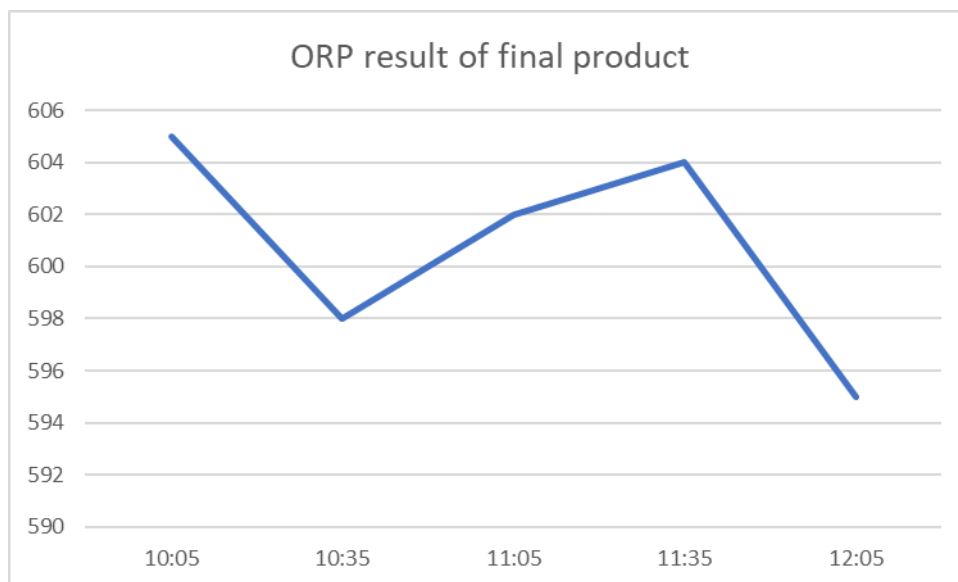
The final product results are shown in the following tables:

number	sample	time	result (ORP)
1	final product	10:05	605
2	final product	10:35	598
3	final product	11:05	602
4	final product	11:35	604
5	final product	12:05	595
	AVERAGE		600,4
	DISPERSION		3,78
	MIN		595
	MAX		604

Graph of the ionizator outlet results



Graph of the final product results



Using the data from the measured production, I declare that the technology (ionizing unit operation) and the products in this period are appropriate.

Hungary, Csákvár, 08.05.2019


Perjési József