

TEST REPORT No P – 780/18.08.2021

1. Wine with protected geographical indication from Thracian Lowlands „Red wine“/Merlot & Syrah & Petit Verdot & Cabernet Sauvignon/, dry – vintage 2018, batch № 347, amount 99 700 l
2. Test applicant: „Bessa Valley Winery“ Ltd – Ognyanovo village
3. Test sample: 3 bottles of 0,75 l taken and provided by Test applicant, Sampling report No. 8/11.08.2021
4. Sample reception date: 12.08.2021
5. Test performance date: 17.08.2021
6. Source of the testing methods: Compendium of International Methods of Analysis of Wines and Musts, International Organization of Vine and Wine current publication (OIV) (www.oiv.int)
7. Test results:

No.	Characteristic name	Characte- ristic unit	Sample No. Input- Output register	Method (standard, validated internal laboratory)	Test result Uncertainty (U)	*Characteristic value and tolerance	Ambient conditions
1	2	3	4	5	6	7	8
1	Specific gravity at 20°C	-	780	OIV - MA-AS2-01A, p. 5: R2012	0,9937 ± 0,0001	-	(20 ± 2)°C
2	Alcohol content: - alcoholic strength - total alcoholic strength	Vol. %	780	OIV - MA-AS312-01A, p. 4B : R2016	14,36 ± 0,15 14,54 ± 0,15	Over 10,00 * Up to 20,00 **	(20 ± 2)°C
3	Total dry and sugar- free extract - total dry extract - sugar free extract	g/l	780	OIV - MA-AS2-03B: R2012	31,8 ± 0,4 28,7 ± 0,3	- Over 20,0 *	(20 ± 2)°C
4	Reducing sugars	g/l	780	OIV - MA-AS311-01A: R2009	3,1 ± 0,1	Up to 4,0 (9,0) *	(20 ± 2)°C
5	Total acidity /as tartaric acid/	g/l	780	OIV - MA-AS313-01: R2015	5,00 ± 0,08	Over 4,00 *	(20 ± 2)°C
6	Volatile acidity /as acetic acid/	g/l	780	OIV - MA-AS313-02: R2015	0,63 ± 0,03	Up to 0,90 *	(20 ± 2)°C
7	Sulphur dioxide: - total sulphur dioxide - free sulphur dioxide	mg/l	780	OIV-MA-AS323-04A2:R2018 OIV-MA-AS323-04A1:R2018	106 ± 3 29 ± 1	Up to 150 * -	(20 ± 2)°C
8	pH	-	780	OIV - MA-AS313-15: R2011	3,61 ± 0,05	-	(20 ± 2)°C
9	Citric acid	mg/l	780	OIV - MA-AS313-04: R2009	Under 20	Up to 1000 **	(20 ± 2)°C
10	Cyanide Derivatives	µg/l	780	OIV - MA-AS315-06: R2009	Under 8	-	(20 ± 2)°C
11	Sorbic acid	mg/l	780	OIV - MA-AS313-14A: R2009	Under 20	Up to 200 **	(20 ± 2)°C

* PGI/PDO/Variety Wine Specifications /National Legislation ** Regulation (EU) № 934/2019

The reported uncertainty (U) is expanded measurement uncertainty stated as the combined standard uncertainty multiplied by the coverage factor k = 2 such that the coverage probability corresponds to approximately 95%. The uncertainty arising from sampling is not included in the expanded measurement uncertainty.

Testing staff:

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Authorizing the report, Head of Testing Laboratory:



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