

TEST REPORT No P – 1052/20.10.2023

1. Wines and grapevine products - Wine with protected geographical indication from Thracian Lowlands „Enira Cabernet Sauvignon“, red dry – vintage 2022, batch No. 451, amount 27 700 L
2. Test applicant: „Bessa Valley Winery“ Ltd – Ognyanovo village, Request/18.10.2023
3. Test sample: 3 of 0,75 L bottles, with Test sampling report No.14/18.10.2023 of „Bessa Valley Winery“ Ltd, provided by „Bessa Valley Winery“ Ltd
4. Sample reception date: 18.10.2023
5. Test performance date: 19.10.2023
6. Test location: Testing laboratory - Plovdiv
7. Source of the testing methods: Compendium of International Methods of Analysis of Wines and Musts (current electronic publication of the International Organization of Vine and Wine (OIV), www.oiv.int).
8. Test results:

No	Characteristic name	Characteristic 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	-	1052	OIV - MA-AS2-01: R2021, Method B	0,9939 ± 0,0001	-	(20 ± 2)°C
2	Alcohol content: - actual alcoholic strength - total alcoholic strength	Vol. %	1052	OIV - MA-AS312-01: R2021, Method B	14,27 ± 0,15 14,44 ± 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	1052	OIV - MA-AS2-03B: R2012	32,0 ± 0,4 29,1 ± 0,3	- -	(20 ± 2)°C
4	Reducing sugars	g/l	1052	OIV - MA-AS311-01A:R2009	2,9 ± 0,1	Up to 4,0 (9,0) *	(20 ± 2)°C
5	Total acidity /as tartaric acid/	g/l	1052	OIV - MA-AS313-01: R2015	5,51 ± 0,09	Over 4,00 *	(20 ± 2)°C
6	Volatile acidity /as acetic acid/	g/l	1052	OIV - MA-AS313-02: R2015	0,52 ± 0,02	Up to 0,90 *	(20 ± 2)°C
7	Sulphur dioxide: - total sulphur dioxide - free sulphur dioxide	mg/l	1052	OIV-MA-AS323-04A2:R2021 OIV-MA-AS323-04A1:R2021	63 ± 2 28 ± 1	Up to 150 * -	(20 ± 2)°C
8	pH	-	1052	OIV - MA-AS313-15: R2011	3,46 ± 0,04	-	(20 ± 2)°C
9	Citric acid	mg/l	1052	OIV - MA-AS313-04: R2009	Under 20	Up to 1000 **	(20 ± 2)°C
10	Cyanide Derivatives	µg/l	1052	OIV - MA-AS315-06: R2009	Under 8	-	(20 ± 2)°C
11	Sorbic acid	mg/l	1052	OIV - MA-AS313-14A:R2009	Under 20	Up to 200 **	(20 ± 2)°C

* PGI/PDO/Variety Wine Specifications /National Legislation ** Commission Delegated Regulation (EU) 2019/934

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.

END

Testing staff:

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2. /Dr. eng. Iv. Nikolov/

3. /Dipl. eng A. Totinova/

4. /Dipl. eng R. Kirilova/

Authorizing the report, Head of Testing Laboratory:

Dipl. eng. R. Georgieva

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