



Potvrda o akreditaciji Accreditation Certificate

Ovime se utvrđuje da je

This is to recognize that

INSTITUT ZA POLJOPRIVREDU I TURIZAM
ZAVOD ZA POLJOPRIVREDU I PREHRANU
PREHRAMBENO – BIOTEHNOLOŠKI LABORATORIJ
VINARSKI LABORATORIJ
K. Huguesa 8, HR-52440 Poreč

osposobljen prema zahtjevima norme

is competent according to

HRN EN ISO/IEC 17025:2007

(ISO/IEC 17025:2005+Cor.1:2006;

EN ISO/IEC 17025:2005+AC:2006)

za/to carry out

Ispitivanje maslinovih ulja i drugih biljnih ulja, mošta, vina, drugih proizvoda od grožđa i vina te voćnih vina

Testing of olive oils and other vegetable oils, must, wine, other grape
and wine products and fruit wines

u području opisanom u prilogu koji je sastavni dio ove potvrde o akreditaciji.

for the scope described in the annex which is the constituent part of
this accreditation certificate.

Br./No.: 1185

Klasa/Ref.No.: 383-02/14-30/007

Urbroj/Id.No.: 569-02/6-14-40

Zagreb, 2014-05-19

Akreditacija istječe•Accreditation expiry: 2019-05-18

Prva akreditacija•Initial accreditation: 2009-05-19

HAA je potpisnica multilateralnog sporazuma s Europskom organizacijom za akreditaciju (EA)

HAA is a signatory of the European co-operation for Accreditation (EA) Multilateral Agreement

Ravnateljica:

Director General:

Mr. sc. Biserka Bajzek Brezak, dipl. ing.



Hrvatska akreditacijska agencija
Croatian Accreditation Agency

PRILOG POTVRDI O AKREDITACIJI br: 1185

Annex to Accreditation Certificate Number:

Klasa/Ref. No.: 383-02/14-30/007

Urbroj/Id. No.: 569-02/6-17-28

Datum izdanja priloga /Annex Issued on: 2017-12-15

Zamjenjuje prilog/Replaces Annex:

Klasa/Ref. No.: 383-02/14-30/007

Urbroj/Id. No.: 569-02/6-16-17

Datum izdanja priloga /Annex Issued on: 2016-02-10

Norma: HRN EN ISO/IEC 17025:2007

Standard: (ISO/IEC 17025:2005+Cor.1:2006; EN ISO/IEC 17025:2005+AC:2006)

Akreditacija istječe: 2019-05-18

Accreditation expiry:

Prva akreditacija: 2009-05-19

Initial accreditation:

Akreditirani laboratorij

Accredited laboratory

**INSTITUT ZA POLJOPRIVREDU I TURIZAM
ZAVOD ZA POLJOPRIVREDU I PREHRANU
PREHRAMBENO – BIOTEHNOLOŠKI LABORATORIJ
VINARSKI LABORATORIJ**

K. Huguesa 8, HR- 52440 Poreč

Područje akreditacije:

Scope of accreditation:

**Ispitivanje maslinovih ulja i drugih biljnih ulja, mošta, vina, drugih proizvoda od
grožđa i vina te voćnih vina**

*Testing of olive oils and other vegetable oils, must, wine, other grape and
wine products and fruit wines*

Važeće izdanje Priloga dostupno je na web adresi: www.akreditacija.hr /
Valid issue of the Annex is available at the web address: www.akreditacija.hr

Ravnatelj:

Director General:

Tihomir Babić, dipl. ing.

PODRUČJE AKREDITACIJE / SCOPE OF ACCREDITATION

PREHRAMBENO – BIOTEHNOLOŠKI LABORATORIJ

Br. No.	Materijali/Proizvodi <i>Materials/Products</i>	Vrsta ispitivanja/Svojstvo <i>Type of test/Property</i> Raspon/Range	Metoda ispitivanja <i>Test method</i>
1.	Maslinova ulja i ulja od komine <i>Olive oils and olive pomace oils</i>	Određivanje slobodnih masnih kiselina, hladna metoda <i>Determination of free fatty acids, cold method</i>	Uredba Komisije (EEZ) br. 2568/91, sa svim izmjenama i dopunama, zaključno sa Delegiranom uredbom Komisije (EU) 2016/2095, PRILOG II <i>Commission Regulation (EEC) No. 2568/91, with all amendments concluding with Commission Delegated Regulation (EU) 2016/2095, ANNEX II.</i> COI/T.20/Doc.no.34, November 2015
2.	Biljna ulja i masti životinjskog i biljnog podrijetla <i>Animal and vegetable fats and oils</i>	Određivanje peroksidnog broja <i>Determination of peroxide value</i>	Uredba Komisije (EEZ) br. 2568/91, sa svim izmjenama i dopunama, zaključno sa Delegiranom uredbom Komisije (EU) 2016/2095, PRILOG III <i>Commission Regulation (EEC) No. 2568/91, with all amendments concluding with Commission Delegated Regulation (EU) 2016/2095, ANNEX III.</i> COI/T.20/Doc.no.35, July 2016

Br. No.	Materijali/Proizvodi <i>Materials/Products</i>	Vrsta ispitivanja/Svojstvo <i>Type of test/Property</i> <i>Raspon/Range</i>	Metoda ispitivanja <i>Test method</i>
3.	Maslinova ulja <i>Olive oils</i>	Spektrofotometrijsko ispitivanje u ultraljubičastom području <i>Spectrophotometric investigation in the ultraviolet</i>	Uredba Komisije (EEZ) br. 2568/91, sa svim izmjenama i dopunama, zaključno sa Delegiranom uredbom Komisije (EU) 2016/2095, PRILOG IX <i>Commission Regulation (EEC) No. 2568/91, with all amendments concluding with Commission Delegated Regulation (EU) 2016/2095, ANNEX IX.</i> COI/T20/Doc.no.19/Rev. 3, February 2015
4.	Djevičansko maslinovo ulje <i>Virgin olive oil</i>	Senzorsko ocjenjivanje djevičanskog maslinovog ulja <i>Sensory analysis of virgin olive oil</i>	Uredba Komisije (EEZ) br. 2568/91, sa svim izmjenama i dopunama, zaključno sa Delegiranom uredbom Komisije (EU) 2016/2095, PRILOG XII <i>Commission Regulation (EEC) No. 2568/91, with all amendments concluding with Commission Delegated Regulation (EU) 2016/2095, ANNEX XII.</i> COI/T.20/Doc.no.15 / Rev.8, November 2015

Br. No.	Materijali/Proizvodi <i>Materials/Products</i>	Vrsta ispitivanja/Svojstvo <i>Type of test/Property</i> <i>Raspon/Range</i>	Metoda ispitivanja <i>Test method</i>
5.	Biljne masti i ulja <i>Vegetable fats and oils</i>	Određivanje metilnih estera masnih kiselina plinskom kromatografijom <i>Determination of fatty acids methyl esters by gas chromatography</i>	Uredba Komisije (EEZ) br. 2568/91, sa svim izmjenama i dopunama, zaključno sa Delegiranom uredbom Komisije (EU) 2016/2095, PRILOG X <i>Commission Regulation (EEC) No. 2568/91, with all amendments concluding with Commission Delegated Regulation (EU) 2016/2095, ANNEX X.</i> COI/T.20/Doc.no.33, February 2015
6.	Maslinova ulja <i>Olive oils</i>	Određivanje udjela voskova, metilnih estera masnih kiselina i etilnih estera masnih kiselina kapilarnom plinskom kromatografijom <i>Determination of the content of waxes, fatty acid methyl esters and fatty acid ethyl esters by capillary gas chromatography</i>	Uredba Komisije (EEZ) br. 2568/91, sa svim izmjenama i dopunama, zaključno sa Delegiranom uredbom Komisije (EU) 2016/2095, PRILOG XX <i>Commission Regulation (EEC) No. 2568/91, with all amendments concluding with Commission Delegated Regulation (EU) 2016/2095, ANNEX XX.</i> COI/T.20/Doc.no.28 / Rev.1, 2010

VINARSKI LABORATORIJ

Br. No.	Materijali/Proizvodi <i>Materials/Products</i>	Vrsta ispitivanja/Svojstvo <i>Type of test/Property</i> Raspon/Range	Metoda ispitivanja <i>Test method</i>
1.	Mošt, vino, drugi proizvodi od grožđa i vina te voćna vina <i>Must, wine, other grape and wine products and fruit wines</i>	Određivanje gustoće i relativne gustoće pri 20°C <i>Determination of density and specific gravity at 20°C</i>	Uredbe Komisije (EEZ) br. 2676/90 PRILOG I i (EZ) br. 355/05 <i>Commission Regulation (EC) No 355/2005 of February 28, 2005 amending Regulation (EEC) No 2676/90 determining Community methods for the analysis of wines (Annex I)</i> <i>COMPENDIUM OF INTERNATIONAL METHODS OF WINE AND MUST ANALYSIS, Edition 2017, International Organization of Vine and Wine, Method OIV-MA-AS2-01A:R2012 (Type I method)</i>
2.		Određivanje alkoholne jakosti <i>Determination of alcoholic strength by volume</i>	Uredbe Komisije (EEZ) br. 2676/90 PRILOG III i (EZ) br. 355/05 <i>Commission Regulation (EC) No 355/2005 of February 28, 2005 amending Regulation (EEC) No 2676/90 determining Community methods for the analysis of wines (Annex III)</i> <i>COMPENDIUM OF INTERNATIONAL METHODS OF WINE AND MUST ANALYSIS, Edition 2017, International Organization of Vine and Wine, Method OIV-MA-AS312-01A:R2016 (Type I method)</i>

Br. No.	Materijali/Proizvodi <i>Materials/Products</i>	Vrsta ispitivanja/Svojstvo <i>Type of test/Property</i> <i>Raspon/Range</i>	Metoda ispitivanja <i>Test method</i>
3.	Mošt, vino, drugi proizvodi od grožđa i vina te voćna vina <i>Must, wine, other grape and wine products and fruit wines</i>	Određivanje ukupnog suhog ekstrakta <i>Determination of total dry extract</i>	Uredba Komisije (EEZ) br. 2676/90 PRILOG IV <i>Commission Regulation (EEC) No2676/90 determining Community methods for the analysis of wines (Annex IV)</i> <i>COMPENDIUM OF INTERNATIONAL METHODS OF WINE AND MUST ANALYSIS, Edition 2017, International Organization of Vine and Wine, Method OIV-MA-AS2-03B:R2012 (Type IV method)</i>
4.		Određivanje reducirajućih šećera <i>Determination of reducing sugars</i>	Determination of reducing sugars by means of Fehling's solution with methylene blue as internal indicator. Lane, J.H., Eynon, L., <i>J. Soc. Chem. Ind.</i> , 1923, n.4. 32.
5.		Određivanje reducirajućih šećera/tvari <i>Determination of reducing Sugars/substances</i>	Uredba Komisije (EEZ) br. 2676/90 PRILOG V <i>Commission Regulation (EEC) No2676/90 determining Community methods for the analysis of wines (Annex V)</i> <i>COMPENDIUM OF INTERNATIONAL METHODS OF WINE AND MUST ANALYSIS, Edition 2017, International Organization of Vine and Wine, Method OIV-MA-AS311-01A:R2009 (Type IV method)</i>

Br. No.	Materijali/Proizvodi <i>Materials/Products</i>	Vrsta ispitivanja/Svojstvo <i>Type of test/Property</i> <i>Raspon/Range</i>	Metoda ispitivanja <i>Test method</i>
6.	Mošt, vino, drugi proizvodi od grožđa i vina te voćna vina <i>Must, wine, other grape and wine products and fruit wines</i>	Određivanje pepela <i>Determination of ash content</i>	Uredba Komisije (EEZ) br. 2676/90 PRILOG IX <i>Commission Regulation (EEC) No2676/90 determining Community methods for the analysis of wines (Annex IX)</i> <i>COMPENDIUM OF INTERNATIONAL METHODS OF WINE AND MUST ANALYSIS, Edition 2017, International Organization of Vine and Wine, Method OIV-MA-AS2-04:R2009 (Type I method)</i>
7.		Određivanje pH <i>Determination of pH</i>	Uredba Komisije (EEZ) br. 2676/90 PRILOG XXIV <i>Commission Regulation (EEC) No2676/90 determining Community methods for the analysis of wines (Annex XXIV)</i> <i>COMPENDIUM OF INTERNATIONAL METHODS OF WINE AND MUST ANALYSIS, Edition 2017, International Organization of Vine and Wine, Method OIV-MA-AS313-15:R2011 (Type I method)</i>

Br. No.	Materijali/Proizvodi <i>Materials/Products</i>	Vrsta ispitivanja/Svojstvo <i>Type of test/Property</i> <i>Raspon/Range</i>	Metoda ispitivanja <i>Test method</i>
8.	Mošt, vino, drugi proizvodi od grožđa i vina te voćna vina <i>Must, wine, other grape and wine products and fruit wines</i>	Određivanje ukupne kiselosti <i>Determination of total acidity</i>	Uredba Komisije (EEZ) br. 2676/90 PRILOG XIII <i>Commission Regulation (EEC) No2676/90 determining Community methods for the analysis of wines (Annex XIII)</i> <i>COMPENDIUM OF INTERNATIONAL METHODS OF WINE AND MUST ANALYSIS, Edition 2017, International Organization of Vine and Wine, Method OIV-MA-AS313-01:R2015 (Type I method)</i>
9.		Određivanje hlapive kiselosti <i>Determination of volatile acidity</i>	Uredba Komisije (EEZ) br. 2676/90 PRILOG XIV <i>Commission Regulation (EEC) No2676/90 determining Community methods for the analysis of wines (Annex XIV)</i> <i>COMPENDIUM OF INTERNATIONAL METHODS OF WINE AND MUST ANALYSIS, Edition 2017, International Organization of Vine and Wine, Method OIV-MA-AS313-02:R2015 (Type I method)</i>

Br. No.	Materijali/Proizvodi <i>Materials/Products</i>	Vrsta ispitivanja/Svojstvo <i>Type of test/Property</i> <i>Raspon/Range</i>	Metoda ispitivanja <i>Test method</i>
10.	Mošt, vino, drugi proizvodi od grožđa i vina te voćna vina <i>Must, wine, other grape and wine products and fruit wines</i>	Određivanje slobodnog i ukupnog sumpornog dioksida <i>Determination of free and total sulphur dioxide</i>	Uredba Komisije (EEZ) br. 2676/90 PRILOG XXV (brza metoda) <i>Commission Regulation (EEC) No2676/90 determining Community methods for the analysis of wines (Annex XXV; rapid method)</i> <i>COMPENDIUM OF INTERNATIONAL METHODS OF WINE AND MUST ANALYSIS, Edition 2017, International Organization of Vine and Wine, Method OIV-MA-AS323-04B:R2009 (Type IV method)</i>
11.		Određivanje slobodnog i ukupnog sumpornog dioksida <i>Determination of free and total sulphur dioxide</i>	Uredba Komisije (EEZ) br. 2676/90 PRILOG XXV (referentna metoda) <i>Commission Regulation (EEC) No2676/90 determining Community methods for the analysis of wines (Annex XXV; reference method)</i> <i>COMPENDIUM OF INTERNATIONAL METHODS OF WINE AND MUST ANALYSIS, Edition 2017, International Organization of Vine and Wine, Method OIV-MA-AS323-04A:R2012 (Type II method)</i>

Br. No.	Materijali/Proizvodi <i>Materials/Products</i>	Vrsta ispitivanja/Svojstvo <i>Type of test/Property</i> <i>Raspon/Range</i>	Metoda ispitivanja <i>Test method</i>
12.	Mošt, vino, drugi proizvodi od grožđa i vina te voćna vina <i>Must, wine, other grape and wine products and fruit wines</i>	Određivanje limunske kiseline <i>Determination of citric acid</i>	Uredba Komisije (EEZ) br. 2676/90 PRILOG XVII <i>Commission Regulation (EEC) No2676/90 determining Community methods for the analysis of wines (Annex XVII)</i> <i>COMPENDIUM OF INTERNATIONAL METHODS OF WINE AND MUST ANALYSIS, Edition 2017, International Organization of Vine and Wine, Method OIV-MA-AS313-09:R2009 (Type II method)</i>
13.		Određivanje ugljikovog dioksida <i>Determination of carbon dioxide</i>	Uredba Komisije (EEZ) br. 2676/90 PRILOG XXXVIIa <i>Commission Regulation (EEC) No2676/90 determining Community methods for the analysis of wines (Annex XXXVIIa)</i> <i>COMPENDIUM OF INTERNATIONAL METHODS OF WINE AND MUST ANALYSIS, Edition 2017, International Organization of Vine and Wine, Method OIV-MA-AS314-02:R2003 (Type I method)</i>

Br. No.	Materijali/Proizvodi <i>Materials/Products</i>	Vrsta ispitivanja/Svojstvo <i>Type of test/Property</i> Raspon/Range	Metoda ispitivanja <i>Test method</i>
14.	Mošt, vino, drugi proizvodi od grožđa i vina te voćna vina <i>Must, wine, other grape and wine products and fruit wines</i>	Određivanje glukoze, fruktoze i saharoze <i>Determination of glucose, fructose and sucrose</i>	<i>UV method for the determination of sucrose, D-glucose and D-fructose in foodstuffs and other materials.</i> BOEHRINGER MANNHEIM / R-BIOPHARM <i>Enzymatic BioAnalysis / Food Analysis</i> VL-RU 5.4.2.14 Verzija/edition 001 2014-03-06
15.		Određivanje glukonske kiseline <i>Determination of gluconic acid</i>	<i>UV-method for the determination of D-gluconic acid and D-glucono-δ-lactone in foodstuffs and other materials.</i> BOEHRINGER MANNHEIM / R-BIOPHARM <i>Enzymatic BioAnalysis / Food Analysis</i> VL-RU 5.4.2.15 Verzija/edition 001 2014-03-06

Br. No.	Materijali/Proizvodi <i>Materials/Products</i>	Vrsta ispitivanja/Svojstvo <i>Type of test/Property</i> <i>Raspon/Range</i>	Metoda ispitivanja <i>Test method</i>
16.	Mošt, vino, drugi proizvodi od grožđa i vina te voćna vina <i>Must, wine, other grape and wine products and fruit wines</i>	Određivanje glicerola <i>Determination of glycerol</i>	<p><i>UV method for the determination of glycerol in foodstuffs and other Materials. BOEHRINGER MANNHEIM / R-BIOPHARM Enzymatic BioAnalysis / Food Analysis</i></p> <p><i>COMPENDIUM OF INTERNATIONAL METHODS OF WINE AND MUST ANALYSIS, Edition 2017, International Organization of Vine and Wine, Method OIV-MA-AS312-05:2009 (Type IV method)</i></p> <p>VL-RU 5.4.2.16 Verzija/edition 001 2014-03-06</p>
17.	Vino i voćno vino <i>Wine and fruit wine</i>	Organoleptičko (senzorno) ocjenjivanje <i>Organoleptic (sensory) testing</i>	<p>Pravilnik o organoleptičkom (senzornom) ocjenjivanju mošta i vina (<i>N.N. 106/04, N.N. 137/12, N.N. 142/13, N.N. 48/14, N.N. 1/15</i>), članci: 1, 2, 4, 6, 7, 8, 9, 10, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28. <i>Ordinance on must and wine sensory testing „Official Gazette“ (No. 106/04, No. 137/12, No. 142/13, No. 48/14, No. 1/15) Articles: 1, 2, 4, 6, 7, 8, 9, 10, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28.)</i></p> <p>HRN EN ISO 8589:2010 <i>(ISO 8589:2007; EN ISO 8589:2010)</i></p>