RESOLUTION OIV-VITI 609-2019

OIV PROTOCOL FOR IDENTIFICATION OF VARIETIES

THE GENERAL ASSEMBLY,

ON THE PROPOSAL from the COMMISSION I "Viticulture",

IN VIEW of Article 2, paragraph 2 b i) and c iii) of the Agreement of 3rd April 2001 establishing the International Organisation of Vine and Wine, and under points 2.b.ii and 2.d.iii of the OIV Strategic Plan 2015-2019, which foresaw that to define the different categories of the grapevine products, a minimum protocol for variety identification should be defined,

CONSIDERING the publication of OIV of 1996 under the title “International List of Vine Varieties and Synonyms”, which was established on the basis of the work of the "Selection of the Vine" Expert group in collaboration with the "Regulation and Quality Control" Expert group, and which was not only compiling a list of varietal names, but was also establishing connections between diverse designations of the grapevines used in different countries, in order to achieve more clarity in the identification of vine varieties,

CONSIDERING that the market of wine, table grapes and propagating material needs a precise assessment of the varietal identity, due to the use of locally different synonyms,

CONSIDERING the publication of the 2nd edition of the “OIV Descriptor List for Grape Varieties and Vitis Species” in 2007, which determined the characteristics for describing a Vitis variety or species, in which, together with UPOV and Bioversity International (formerly IPGRI), OIV revised the grape varieties descriptors,

CONSIDERING the “Description of grape varieties throughout the world” published by OIV in 2009, based on the “OIV Descriptor List for Grape Varieties and Vitis Species”, and the OIV-VITI resolution 467-2012 that splits the characters between “principal” and “complementary”,

CONSIDERING that practical experience has shown that a lower number of characteristics are sufficient for variety differentiation and identification and that for such purpose, within the European Project GrapeGen06 has adopted a list of 48 OIV characters,

CONSIDERING that UPOV guidelines (TG/50/9) are used for the conduct of tests for distinctness, uniformity and stability of vine varieties,

CONSIDERING, that different protocols are applied in many countries for variety

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differentiation and identification, and that harmonization of such protocols should be achieved,

CONSIDERING that the description of a variety should incorporate its distinctness, uniformity and stability in respect to all other vine varieties,

CONSIDERING that according to common experience it is advisable to describe a variety both according to its ampelographic characters and by nuclear DNA analysis using SSR markers,

Considering the reliability of DNA testing methods and results reached by GENRES group in codifying the vine genotype,

CONSIDERING the outcomes of the questionnaire of OIV in 2014 and 2015 addressed to the Member States concerning the Protocol for Varieties Identification in the respective countries,

CONSIDERING that the passport data of the "Vitis International Variety Catalogue" – VIVC could represent a useful tool for connecting and to standardize the description of the variety,

DECIDES to adopt the minimum criteria for establishing an OIV protocol for identification of varieties,

DECIDES to include the following SSR markers VVMD32, VVMD25 and VVMD28 and their respective codes 807, 808 and 809 in the OIV Descriptor List for Grape Varieties and Vitis Species.

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1. SUBJECT OF THE PROTOCOL

The aim of the resolution is to harmonize the international criteria for grapevine variety identification. Where required for official recognition and registration of a variety, these criteria should be used.

The OIV protocol can also be used in the case of re-examination of previous varietal names and possible revision or change of the denomination. The protocol describes

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the technical procedures suggested to identify any grapevine variety (Vitis L.) by establishing minimal guidelines about ampelographic and genetic characters on the basis of the "Second edition of the OIV descriptor list for grape varieties and Vitis species" and the outcomes of the European Projects GENRES081 and GrapeGen06.

2. INFORMATION REQUIRED FOR THE IDENTIFICATION OF A VARIETY

The information required for the identification of a variety includes:

- The origin of the variety:
  - Spontaneous
  - Controlled cross
  - Genetic modified organisms
- The breeder, where appropriate
- The maintainer
- Pending patent in case of breeder's rights
- Productive purpose (wine, table grapes, dried grapes, rootstock, other use)
- The place of its preservation by the maintainer
- The main characteristics that are intended to be original
- Ampelographic and genotypic characterization
- Temporary identification code or the name proposed of the new variety.

3. CHARACTERISTICS TO BE CONSIDERED

Ampelographic descriptions should follow mainly the guidelines of the "Second edition of the OIV descriptor list for grape varieties and Vitis species" or at least the shorter list of characters foreseen by the resolution OIV-VITI 467-2012 available in Annex Table 1, appropriately adapted and extended. Where appropriate a reference should be done to the characteristics of resistance or sensitivity to unfavourable conditions or harmful organisms.

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The genetic profile should be produced using at least the 9 reference SSR markers reported in Annex Table 2 supplying environmentally independent parameters for comparison.

Descriptions of varieties assessed according the UPOV[1] guidelines or according to the list proposed by GrapeGen06 are accepted as well.

4. REPORTING RESULTS

The presentation and description of the results must take into account at least the information defined in the previous articles. The relevant body collects the information and arranges the description of the variety and such description presented by the breeder for the official recognition of the variety.

5. CRITERIA FOR DENOMINATION OF A NEW VARIETY

For new varieties, it is necessary to avoid the use of names that may lead to possible confusion with the name of other existing varieties, especially when these are already used in officially approved labels of existing commercial products.

In addition, names containing geographical indications should be avoided in order to avoid confusion with protected geographical indications and appellations of origin.

6. ANNEXES. OIV DATASHEET WITH MINIMUM CHARACTERS FOR VARIETIES' IDENTIFICATION

Table 1: AMPELOGRAPHIC CHARACTERISTICS MINIMAL LIST.		
PART OBSERVED	CHARACTER	OIV CODE
Young Shoot	opening of the tip	001
Young Shoot	intensity of anthocyanin coloration on prostrate hairs of tip	003
Young Shoot	density of prostrate hairs on tip	004
Shoot	attitude (before tying)	006

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Shoot	color of dorsal side of internodes	007
Shoot	color of ventral side of internodes	008
Shoot	Number of consecutive tendrils	016
Young leaf	color of the upper side of blade (4th leaf)	051
Young leaf	density of prostrate hairs between main veins on lower side of blade (4th leaf)	053
Mature leaf	shape of blade	067
Mature leaf	number of lobes	068
Mature leaf	area of anthocyanin coloration of main veins on upper side of blade	070
Mature leaf	blistering of upper side of blade	075
Mature leaf	shape of teeth	076
Mature leaf	degree of opening / overlapping of petiole sinus	079
Mature leaf	shape of base of petiole sinus	080
Mature leaf	teeth in the petiole sinus	081-1
Mature leaf	petiole sinus base limited by veins	081-2
Mature leaf	teeth in the upper lateral sinuses	083-2
Mature leaf	density of prostrate hairs between the main veins on lower side of blade	084
Mature leaf	density of erect hairs on main veins on lower side of blade	087
Mature leaf	depth of upper lateral sinuses	094
Flower	sexual organs	151

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Bunch	length (peduncle excluded)	202
Bunch	density	204
Bunch	length of peduncle of primary bunch	206
Bunch	shape	208
Bunch	number of wings of the primary bunch	209
Bunch	weight of a single bunch	502
Berry	width	221
Berry	shape	223
Berry	color of skin	225
Berry	intensity of the anthocyanin coloration of flesh	231
Berry	firmness of flesh	235
Berry	particularity of flavor	236
Berry	formation of seeds	241
Berry	single berry weight	503
Grapevines	Time of bud burst	301
Grapevines	Time of beginning of berry ripening (Veraison)	303

Table 2: SSR markers	
SSR-marker	**OIV CODE**
VVS2	801
VVMD5	802

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VVMD7	803
VVMD27	804
VrZAG62	805
VrZAG79	806
VVMD32	807
VVMD25	808
VVMD28	809

[1] International Union for the Protection of New Varieties of Plants

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