OIV-MA-INT-04 Layout and wording of OIV method of analysis

Extract of ISO 78-2:1999 standard

1. **Title**

2. **Introduction**

   optional

3. **Scope**

   This clause shall state succintly the method of chemical analysis and specifically the product to which applies.

4. **Definitions**

5. **Principle**

   This optional clause indicates the essential steps in the method used, the basic principles.

6. **Reagents and materials**

   This clause shall list all the reagents and materials used during the test, together with their essential characteristics, and shall specify, if necessary, their degree of purity.
   Shall be given:

   - Products used in their commercially available form
   - Solutions of defined concentration
   - Standard volumetric solution
   - Standard reference solution
   - Standard solution
   - Standard matching solution

   Note: each reagent shall be mentioned by a specific reference number

7. **Apparatus**

   This cluse shall list the names and significant characteristics of all the apparatus and

equipment to be used during the analysis or test.

8. Sampling (Preparation of the sample)

Shall be given:

- Sampling procedure
- Preparation of the test sample

9. Procedure

Each sequence of operations shall be described unambiguously and concisely.

This clause shall normally include the following subclauses :

Test portion (this subclause shall give all the information necessary for the preparation of the test portion from the test sample).

Determination(s), or test(s) (this subclause shall be described accurately in order to facilitate the description, the understanding and the application of the procedure).

Calibration (if necessary).

10. Calculation (Results)

This clause shall indicate the method for calculating the results. Shall be precised the units, the equation used, the meanings of the algebraic symbols, the number of decimal places to which the results is to be given.

11. Precision (if interlaboratory validation)

The precision data shall be indicated:

- The number of laboratoriese
- The mean value of the concentration
- The repeatability and the reproducibility
- The repeatability and reproducibility standard deviation

A reference to the document containing the published results of the interlaboratory tests.

12. Annex

Annex related to precision clauses

Annex concerning statistical and other data derived from the results of interlaboratory tests.

13. Bibliography

Annex related to precision clauses

This annex shall indicate in particular

- repeatability statements
- reproducibility statements

Annex concerning statistical and other data derived from
the results of interlaboratory tests.

Statistical and other data derived from the results of interlaboratory tests may be given in an informative annex.
Example of table giving statistical results

Sample identification	A	B	C
Number of participating laboratories			
Number of accepted test results			
Mean values (g/100g sample)			
True or accepted value (g/100g)			
Repeatability standard deviation (S_r)			
Repeatability coefficient of variation			
Repeatability limit (r) (2,8 x S_r)			
Reproducibility standard deviation (S_R)			
Reproducibility coefficient of variation			
Reproducibility limit (R) (2,8 x S_R)			

Whilst it may not be considered necessary to include all the data shown in the table, it is recommended that at least the following data be included:

- The number of laboratories
- The mean value of the concentration
- The repeatability standard deviation
- The reproducibility standard deviation

A reference to the document containing the published results of the interlaboratory tests.