5.1 **TECHNICAL MATERIALS** **(TC)**

Note for preparation of draft specifications. Do not omit clauses or insert additional clauses, nor insert limits that are more lax than those than given in the guidelines, without referring to section 4. From the “Notes” provided at the end of this guideline, incorporate only those which are applicable to the particular specification.

**...... [ISO common name] TECHNICAL MATERIAL**

[CIPAC number]/TC (month & year of publication)

5.1.1 **Description**

The material shall consist of …… [ISO common name] together with related manufacturing impurities, in the form of ...... (see Section 4.2), and shall be ...... [physical description] free from visible extraneous matter and added modifying agents, except stabilizers if required.

5.1.2 **Active ingredient**

5.1.2.1 **Identity tests** (Note 1)

The active ingredient shall comply with an identity test and, where the identity remains in doubt, shall comply with at least one additional test.

5.1.2.2 **...... [ISO common name] content** (Note 1)

The …… [ISO common name] content shall be declared (not less than ...... g/kg) and, when determined, the average measured content shall not be lower than the declared minimum content.

5.1.2.3 **Any other relevant clause** (Note 1), if required

Such as isomer ratio.

5.1.3 **Relevant impurities**

5.1.3.1 **By-products of manufacture or storage** (Note 2), if required

Maximum: ...... g/kg.

5.1.3.2 **Water** (MT 30.6) (Note 3), if required

Maximum: ...... g/kg.

5.1.3.3 **Insolubles** (Notes 3 & 4), if required

Maximum: ...... g/kg.

5.1.4 **Physical properties**

5.1.4.1 **Acidity** and/or **Alkalinity** (MT 191) or **pH range** (MT 75.3) (Notes 3 & 4), if required

Maximum acidity: ...... g/kg calculated as H2SO4.

Maximum alkalinity: ...... g/kg calculated as NaOH.

pH range: ….. to …..

5.1.4.2 **Any other clause** (Notes 3 & 4), if required

Such as a sieve test, kinematic viscosity range, specific gravity, etc.

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Note 1 Method(s) of analysis must be CIPAC, AOAC or equivalent. If the methods have not yet been published then full details, with appropriate method validation data, must be submitted to FAO/WHO by the proposer.

Note 2 This clause should include only relevant impurities and the title should be changed to reflect the name of the relevant impurity. Method(s) of analysis must be peer validated.

Note 3 Clauses to be included only if appropriate to the material.

Note 4 The method to be used shall be stated. If several methods are available, a referee method shall be selected.