5.1. **BACTERIAL LARVICIDE TECHNICAL CONCENTRATES (TK)**

Note for preparation of draft specifications. Do not omit clauses *or insert additional clauses, nor insert limits that are more lax than those 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.

**…… [Taxon] TECHNICAL CONCENTRATE**

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

5.1.1 **Description**

The material shall consist of …… [Taxon] together with related manufacturing components, in the form of [see section 4.2] and shall be ...... [physical description] free from visible extraneous matter and added modifying agents except for the diluent and stabilizer, if required.

5.1.2 **Active Ingredient** (Note 1)

5.1.2.1 **Identity**

The active ingredient shall comply with an identity test and, where the identity remains in doubt, shall comply with an additional test, if required.

5.1.2.2 **[Taxon] content (note 1)**

The …… [Taxon] content shall be declared (g/kg, or for liquids only, g/l at 20 ± 2 °C, or CFU/g, CFU/ml or biopotency units or another appropriate microbial unit), and when determined the average content measured shall be within the following declared tolerance range:

|  |  |  |
| --- | --- | --- |
| Declared content | Tolerance | |
|  | Minimum declared | Maximum declared |
| In g/kg or g/L or CFU/g or CFU/mL or UI/g or UI/mL, etc. | | |
|  |  |  |

###### 5.1.3 **Relevant impurities**

5.1.3.1 **Microbial contaminants**(Notes 1 & 2), if required

[Taxon] content: Absence in ...... g or ...... ml or a maximum value (with appropriate unit).

5.1.3.2 **Secondary compounds** (Notes 1 & 2), if required

Insert name (any identification code, if exists). Maximum: ...... (insert appropriate unit).

5.1.3.3 **Chemical impurities (from the manufacturing process)** (Note 3), if required

Maximum: ...... (insert chemical name) g/kg.

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

Maximum … g/kg.

5.1.4. **Physical properties**

5.1.4.1  **pH range** (MT 75.3), if required

pH range … to …

# 5.1.5 Any other clause (Note 3)

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Note 1 Method(s) of identification and quantitation must be peer validated/ILV. 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 The 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/ILV.

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