

Indian Standard

SPECIFICATION FOR DISPOSABLE PLASTIC ARTIFICIAL INSEMINATION PIPETTES FOR CATTLE

FOREWORD

0.1 This Indian Standard was adopted by the Indian Standards Institution on 4 December 1973, after the draft finalized by the Animal Housing and Equipment Sectional Committee had been approved by the Agricultural and Food Products Division Council.

0.2 For national livestock development programme, artificial insemination (AI) technique is being increasingly used. A series of Indian Standards on AI equipment is being issued for guidance of manufacturers and for safety of cattle.

0.3 The most important AI equipment is the inseminating pipette. These pipettes are made of different materials, such as glass and plastics. As glass pipettes require frequent sterilization and as imperfect sterilization may result in the dissemination of diseases, disposable plastic AI pipettes have been considered suitable. This standard, therefore, prescribes dimensions of plastic pipettes and specifies the quality of plastic. The standard also includes sterilization procedure (*see* Appendix A).

0.3.1 The curved anterior end of the plastic pipettes is not considered necessary as these pipettes are pliable and liable to bend during operation. The curved pipettes, therefore, have not been prescribed in this standard.

0.4 For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated, expressing the result of a test or analysis, shall be rounded off in accordance with IS: 2-1960*. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

1. SCOPE

1.1 This standard prescribes the dimensions, material of construction and test for plastic AI pipettes.

*Rules for rounding off numerical values (*revised*).