

*Indian Standard*  
**SPECIFICATION FOR  
EGG WASHING MACHINES**

**0. FOREWORD**

**0.1** This Indian Standard was adopted by the Indian Standards Institution on 27 November 1972, 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** It is estimated that with the present egg production practice, about 30 percent-of eggs become soiled or show dirty spots on the surface of the shell. These spots are vulnerable centres for growth and multiplication of micro-organisms which lead to spoilage of eggs during storage, and transportation and might create public health hazards also. Cleaning of such eggs manually by buffing each egg or by wiping with wet cloth is generally tedious, time consuming and ineffective. Mechanical aids for cleaning eggs are, therefore, becoming increasingly popular. Since fragile nature of shell limits the abrasion technique in large scale operation, hence mechanical aids using detergent solution for egg cleaning are mostly preferred. In this standard, attempt has been made to specify the essential requirements of such machines for guidance in their production. This standard also provides guidelines for washing the eggs ( see Appendix A ).

**0.3** In the formulation of this standard, substantial assistance has been derived from the type design developed for egg cleaning machine at the Central Food Technological Research Institute, Mysore. Assistance has also been derived from the manufacturers of the machine.

**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 requirements for egg washing machine using detergent solution for cleaning shell eggs.

**1.2** It does not cover abrasion type of cleaners.