

Indian Standard
**SPECIFICATION FOR
PEPTONE, MICROBIOLOGICAL GRADE**

0. FOREWORD

0.1 This Indian Standard was adopted by the Indian Standards Institution on 28 February 1973, after the draft finalized by the Food Hygiene, Sampling and Analysis Sectional Committee had been approved by the Agricultural and Food Products Division Council.

0.2 Unless the ingredients used in media for microbiological work are of uniform quality, the results obtained might be erroneous and might be unreliable. Since the media used in different laboratories often differ greatly in their quality, the results of microbiological work at different laboratories can not be compared. Therefore, with a view to unifying the practices of different laboratories dealing with microbiology and providing guidance to the indigenous manufacturers regarding the quality, it was decided to bring out a series of Indian Standard specifications for ingredients commonly used in media for microbiological work.

0.2.1 For specific purposes, any additional requirements shall be as agreed to between the purchaser and the supplier.

0.3 Peptone is the dried product of enzymatic hydrolysis of materials containing animal or plant proteins. Peptone contains a variable mixture of proteoses, peptides and amino acids. The composition of a peptone varies with the raw material used and the method of manufacture. Therefore, each brand has its own characteristics; also, variations may occur between batches of the same brand. For most bacteriological work, it is necessary to use peptone manufactured from materials of animal origin. Peptones from soyabean can not be used for media to detect fermentation of carbohydrates.

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, 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 requirements and the methods of test for peptone, microbiological grade.