

## SYNOPSIS

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**Number and Title of the Indian Standard:** IS 17315 (Part 2): 2019/ ISO 4259-1: 2017  
Petroleum and related products — Precision of measurement methods and results — Part 2:  
Interpretation and application of precision data in relation to methods of test

**a) Scope:** This document specifies the methodology for the application of precision estimates of a test method derived from ISO 4259-1. In particular, it defines the procedures for setting the property specification limits based upon test method precision where the property is determined using a specific test method, and in determining the specification conformance status when there are conflicting results between supplier and receiver. Other applications of this test method precision are briefly described in principle without the associated procedures.

The procedures in this document have been designed specifically for petroleum and petroleum-related products, which are normally homogeneous. However, the procedures described in this document can also be applied to other types of homogeneous products. Careful investigations are necessary before applying this document to products for which the assumption of homogeneity can be questioned.

**b) Users:** Petroleum industry, automotive industry, Defence, academia, testing and R&D labs

**c) Ministry:** MoPNG, Department of Heavy industries, Ministry of Defence, etc