INTERNATIONAL STANDARD 5272

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION

Toluene for industrial use — Specifications

Toluène à usage industriel — Spécifications

First edition — 1979-02-01

STANDARDSISO.COM : Click to view the full PDF of ISO 5272:1979

UDC 547.533

Ref. No. ISO 5272-1979 (E)

Descriptors : aromatic hydrocarbons, toluene, materials specifications.

FOREWORD

ISO (the International Organization for Standardization) is a worldwide federation of national standards institutes (ISO member bodies). The work of developing International Standards is carried out through ISO technical committees. Every member body interested in a subject for which a technical committee has been set up has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work.

Draft International Standards adopted by the technical committees are circulated to the member bodies for approval before their acceptance as International Standards by the ISO Council.

International Standard ISO 5272 was developed by Technical Committee ISO/TC 78, *Aromatic hydrocarbons* and was circulated to the member bodies in October 1977.

It has been approved by the member bodies of the following countries :

Australia	Hungary	Portugal
Austria	India	Romania
Brazil	Korea, Rep. of	South Africa, Rep. of
Bulgaria	Mexico	Turkey
Czechoslovakia	Netherlands	United Kingdom
Egypt, Arab Rep. of	Philippines	U.S.S.R.
Germany, F.R.	Poland	

The member bodies of the following countries expressed disapproval of the document on technical grounds :

France
Italy

STANDARDSISO.COM : Click to view the full PDF of ISO 5272:1979

© International Organization for Standardization, 1979 •

Printed in Switzerland

Toluene for industrial use — Specifications

STANDARDSISO.COM : Click to view the full PDF of ISO 5272:1979

WARNING — Toluene is flammable and toxic by inhalation, ingestion or skin absorption.

1 SCOPE AND FIELD OF APPLICATION

This International Standard specifies requirements for two grades of toluene suitable for industrial purposes.

Grade 1 (synthesis grade) is a high quality grade normally required for use only as a chemical feedstock. Grade 2 (ordinary grade) relates to commercially pure toluene and is suitable for most normal commercial uses.

This International Standard is applicable to material which consists essentially of toluene ($C_6H_5.CH_3$).

2 REFERENCES

ISO 2160, *Petroleum products — Corrosiveness to copper — Copper strip test.*

ISO 2211, *Liquid chemical products — Measurement of colour in Hazen units (platinum-cobalt scale).*

ISO 4626, *Volatile organic liquids — Determination of boiling range.*

ISO 5274, *Aromatic hydrocarbons — Acid-wash test.*

ISO 5275, *Aromatic hydrocarbons — Test for presence of mercaptans (thiols) — Doctor test.*

ISO 5276, *Aromatic hydrocarbons — Test for neutrality.*

ISO 5277, *Aromatic hydrocarbons — Determination of residue on evaporation.*[1)]

ISO 5279, *Toluene for industrial use — Determination of impurities — Gaschromatographic method.*[1)]

ISO 5281, *Aromatic hydrocarbons — Determination of density at* 20 °C.

ISO 6271, *Clear liquids — Estimation of colour by the platinum-cobalt scale.*[1)]

3 REQUIRED CHARACTERISTICS

Grade 1 (synthesis grade) and grade 2 (ordinary grade) toluene shall conform to the appropriate requirements shown in the table.

NOTE — Until such time as the test methods have been published as International Standards, the methods used shall be the subject of agreement between the interested parties.

4 SAMPLING[2)]

Take a representative sample of not less than 1 000 ml from the bulk of the material.

1) At present at the stage of draft.

2) The sampling of toluene and other aromatic hydrocarbons will form the subject of a future International Standard.