
**Plastics — Aromatic isocyanates for
use in the production of polyurethanes
— Determination of hydrolysable
chlorine**

*Plastiques — Isocyanates aromatiques pour utilisation dans
la production de polyuréthannes — Détermination du chlore
hydrolysable*

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Reference number
ISO 15028:2014(E)

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Published in Switzerland

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Foreword

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The committee responsible for this document is ISO/TC 61, *Plastics*, Subcommittee SC 12, *Thermosetting materials*.

This second edition cancels and replaces the first edition (ISO 15028:2004), which has been technically revised.

Introduction

No International Standard for the determination of hydrolysable chlorine in isocyanates has been published. The main sources of hydrolysable chlorine in isocyanates are carbamoyl chloride and dissolved phosgene from the manufacturing process. Both of these compounds react with alcohols and water, forming ureas, carbamates, carbon dioxide and hydrochloric acid. These acidic materials neutralize basic catalysts used in polyurethane production, thus adversely affecting processing properties. This test method is based on and is technically equivalent to ASTM D 4663.

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