

ISO 7054:2024-10 (E)

Corrosion of metals and alloys - Wiping method for measurements of gases and particles on real structures and equipment

| Contents | Page |
|--|-------------|
| Foreword | iv |
| Introduction | v |
| 1 Scope | 1 |
| 2 Normative references | 1 |
| 3 Terms and definitions | 2 |
| 4 Introduction of general wiping method | 2 |
| 5 Preparation | 3 |
| 6 Wiping procedure | 5 |
| 6.1 General..... | 5 |
| 6.2 Wiping..... | 6 |
| 6.3 Cautions for wiping..... | 8 |
| 6.4 Extraction..... | 8 |
| 7 Analysis | 9 |
| 7.1 Soluble deposition concentration measurement method by detector tube..... | 9 |
| 7.2 Soluble deposition concentration measurement method by ion chromatography..... | 10 |
| 7.3 Soluble deposition concentration measurement method by other analysis devices..... | 10 |
| 7.4 Insoluble deposition concentration measurement methods..... | 10 |
| 8 Expression of results | 10 |
| 8.1 Units of soluble and insoluble deposition concentrations..... | 10 |
| 8.2 Expression of soluble deposition concentration result..... | 10 |
| 8.3 Expression of insoluble deposition concentration result..... | 11 |
| 9 Test report | 11 |
| Annex A (informative) Example of deposition measurement of different parts of real steel structure | 13 |
| Annex B (informative) Example of deposition measurement of real steel structures at different sites by season | 15 |
| Bibliography | 17 |