

ISO 29903:2012-12 (E)

Guidance for comparison of toxic gas data between different physical fire models and scales

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	2
4	Combustion conditions	3
4.1	General	3
4.2	Thermal environment	3
4.3	Ventilation	3
4.4	Characteristics of test specimens	3
5	Toxic gas data	4
5.1	Identification of toxic species	4
5.2	Different expressions for toxic gas data	4
5.3	Significance of analysis data	6
6	Comparison/prediction of toxic gas data from different physical fire models	7
6.1	General	7
6.2	Comparison principles	8
6.3	Comparison methodology	9
6.4	Prediction of data from one fire model to another	11
7	Documentation	12
Annex A (informative) Characteristics of physical fire models		13
Annex B (informative) Influence of sampling and analysis on toxic gas data		16
Annex C (informative) Application examples: Comparison of ISO 19700 bench-scale data with data from large-scale tests		18
Bibliography		25