

# ISO 15011-4:2006-03 (E)

## Health and safety in welding and allied processes - Laboratory method for sampling fume and gases - Part 4: Fume data sheets

---

<b>Contents</b>		<b>Page</b>
Foreword .....		iv
Introduction .....		v
1	Scope .....	1
2	Normative references .....	1
3	Terms and definitions .....	1
4	Principle .....	2
5	Procedure .....	2
6	Test conditions .....	3
6.1	Generic test parameters .....	3
6.2	Testing of manual metal arc welding electrodes .....	5
6.3	Testing of solid, metal-cored and flux-cored wires used in gas-shielded metal arc welding .....	5
6.4	Testing of flux-cored wires used in self-shielded metal arc welding .....	7
7	Reporting of results .....	8
7.1	Fume data sheet .....	8
7.2	Transitional arrangements .....	9
7.3	Retesting .....	9
7.4	Data sharing .....	10
7.5	Validation of fume data sheets .....	10
Annex A (normative) Fume data sheet .....		11
Annex B (informative) Optional additional section of a fume data sheet .....		13
Annex C (informative) Examples of performance data .....		14
Annex D (informative) Uses of welding fume data .....		16
Annex E (informative) Principal and key components of welding fume .....		19
Annex F (informative) Example of a welding consumable classification system .....		21
Annex G (informative) Example of a fume data sheet for a stainless steel manual metal arc welding electrode (including the optional additional section) .....		22
Bibliography .....		24