

# DIN 51408-2:2009-06 (E)

## Testing of mineral oil hydrocarbons - Determination of chlorine content - Part 2: Microcoulometric determination, oxidation method

---

<b>Contents</b>		<b>Page</b>
Foreword .....		3
1	Scope .....	4
2	Normative references .....	4
3	Principle .....	4
4	Apparatus .....	5
4.1	Test device .....	5
4.1.1	General .....	5
4.1.2	Combustion furnace .....	5
4.1.3	Combustion tube .....	5
4.1.4	Titration cell .....	6
4.1.5	Microcoulometer .....	6
4.2	Dosing syringes .....	7
4.3	Gas collection vessels .....	7
5	Reagents .....	7
6	Preparation .....	7
6.1	Preparation of the titration cell .....	7
6.2	Preparation of the combustion furnace .....	7
6.3	Microcoulometer setting .....	7
6.4	Sample size .....	8
7	Calibration .....	8
7.1	General .....	8
7.2	Peak shape optimization .....	8
8	Procedure .....	8
8.1	General .....	8
8.2	Dosing rate .....	9
9	Evaluation .....	9
10	Expression of results .....	9
11	Precision .....	9
11.1	Repeatability, r .....	9
11.2	Reproducibility, R .....	10