

# DIN EN 15875:2012-11 (E)

## Characterization of waste - Static test for determination of acid potential and neutralisation potential of sulfidic waste (includes Corrigendum :2012)

---

<b>Contents</b>		<b>Page</b>
Foreword .....		3
Introduction .....		4
1	Scope .....	5
2	Normative references .....	5
3	Terms and definitions .....	5
4	Symbols and abbreviations .....	6
5	Principle .....	7
6	Reagents and laboratory devices .....	7
6.1	Reagents .....	7
6.2	Laboratory devices .....	7
7	Sampling and sample preparation .....	7
7.1	Laboratory sample .....	7
7.2	Test sample .....	8
7.3	Determination of dry residue of the sample .....	8
7.4	Test portion for the determination of neutralisation potential .....	8
8	Test procedures .....	9
8.1	Determination of acid potential .....	9
8.1.1	General .....	9
8.1.2	Total sulfur content .....	9
8.1.3	Determination of sulfur species .....	9
8.1.4	Calculation .....	9
8.2	Determination of neutralisation potential .....	10
8.2.1	General .....	10
8.2.2	Carbonate rating .....	10
8.2.3	Neutralisation potential .....	10
8.2.4	Calculation .....	12
9	Calculation of neutralisation potential ratio and net neutralisation potential .....	12
10	Performance characteristics .....	13
11	Test report .....	13
Annex A (informative) Example of a data sheet for the recording of test results according to 8.2.3 ..		15
Annex B (informative) Operation and uses of the test: influence of parameters .....		16
B.1	Sulfur determination .....	16
B.2	Particle size .....	16
B.3	Mineralogy .....	16
B.3.1	Sources of acidity .....	16
B.3.2	Neutralisation potential .....	18

<b>Annex C (informative) Speciation of sulfur compounds .....</b>	<b>20</b>
<b>Annex D (informative) Explanation of formulas used .....</b>	<b>23</b>
<b>D.1 Acid potential .....</b>	<b>23</b>
<b>D.2 Carbonate rating .....</b>	<b>23</b>
<b>Bibliography .....</b>	<b>25</b>