# DIN EN 16058:2012-07 (E)

## Influence of metallic materials on water intended for human consumpti on - Dynamic rig test for assessment of surface coatings with nickel layers - Long-term test method

## Contents

Page


Foreword ..... 3

Introduction ..... 4

1 Scope ..... 5

2 Normative references ..... 5

3 Terms and definitions ..... 5

4 Principle ..... 7

5 Test rig ..... 7

6 Operation ..... 7
6.1 General ..... 7
6.2 Conditioning ..... 8

7 Test water ..... 8
7.1 General ..... 8
7.2 Check of test water ..... 8

8 Sampling ..... 8
8.1 General ..... 8
8.2 Test water sampling ..... 8
8.3 Sampling to determine metal release ..... 8
8.4 Sampling volumes ..... 9

9 Analysis ..... 9

10 Expression of results ..... 9
10.1 Nickel concentration calculation for end point devices ..... 9
10.2 Nickel concentration calculation for in-line devices ..... 10
10.3 Mean concentration after a given period of operation (T) ..... 10
10.4 Presentation of results ..... 10

11 Test report ..... 11

Annex A (normative) Test rig components and assembly Test rig ..... 12

Annex B (informative) Example of graphs for expression of results ..... 14

Bibliography ..... 16