

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Terms and definitions 1

4 Symbols and abbreviated terms 3

5 Principle 3

6 Visual inspection 4

7 Preparing sampling plan and report 5

8 Methods for sampling 6

8.1 General 6

8.2 Methods for sampling stationary material 6

8.2.1 Sampling from small packages (≤50 kg) 6

8.2.2 Sampling from transport containers and lorries 7

8.2.3 Sampling from small built-in storages 7

8.2.4 Sampling from stockpiles and stacked material 7

8.3 Methods for sampling moving material 9

8.3.1 General 9

8.3.2 Manual sampling from falling streams 9

8.3.3 Manual sampling from conveyor belts 9

8.3.4 Manual sampling from grabs and wheel loader buckets 9

9 Minimum number of increments 10

10 Minimum size of increment 10

11 Determination of the volume of the combined sample 10

12 Equipment for manual sampling 11

12.1 General 11

12.2 Sampling bucket for falling-stream 12

12.3 Scoops 12

12.4 Shovels 13

12.5 Forks 13

12.6 Sample extraction using hands 13

12.7 Pipes (spears) 13

12.8 Drills (augers) 13

13 Reduction of sample size 14

14 Handling and storage of samples 15

14.1 Packaging, storing and transport of samples 15

14.2 Identification/labelling 16

15 Sampling report 16

Annex A (informative) Model sampling plan and sampling report (according to ISO 21945) 17

Bibliography 19