

ISO/ASTM 51900:2009-06 (E)

Guide for dosimetry in radiation research on food and agricultural products

Contents	Page
1 Scope	1
2 Referenced documents	1
3 Terminology	2
4 Significance and use	3
5 Irradiation facilities and modes of operation	3
6 Radiation source characteristics	4
7 Dosimetry systems	5
8 Performance qualification	7
9 Experimental methodology and dose mapping	7
10 Dosimetry during experimentation	9
11 Documentation	10
12 Measurement uncertainty	10
13 Keywords	11
ANNEX	11
Bibliography	11
Figure 1 Dosimeter placement for dose mapping a product container for photon irradiation	8
Figure 2 Experimental set-up for the irradiation of ground meat	9
Figure 3 Step width selection of target dose	9
Table 1 Examples of routine dosimeters (see ISO/ASTM Guide 51261)	5