

# DIN EN 1787:2022-08 (E)

## Foodstuff - Detection of irradiated foodstuff containing cellulose by ESR spectroscopy

---

<b>Contents</b>	<b>Page</b>
European foreword .....	3
1 Scope.....	5
2 Normative references.....	5
3 Terms and definitions .....	5
4 Principle.....	5
5 Apparatus and equipment.....	6
6 Procedure .....	6
6.1 Sample preparation .....	6
6.1.1 General.....	6
6.1.2 Shells and stones.....	6
6.1.3 Spices.....	6
6.1.4 Strawberries.....	7
6.2 ESR Spectroscopy.....	7
6.2.1 Spectrometer settings .....	7
6.2.2 Analysis of sample .....	8
7 Evaluation.....	8
7.1 G-value calculation.....	8
7.2 Identification of irradiated samples .....	8
8 Limitations .....	9
9 Validation .....	9
10 Test report.....	10
Annex A (informative) Example Figures .....	11
Annex B (informative) Further information on the applicability .....	13
Bibliography .....	14