

DIN EN ISO 18417:2020-12 (Englisch)

Iodine charcoal sorbents for nuclear facilities - Method for defining sorption capacity index (ISO 18417:2017)

Contents	Page
European foreword	3
Foreword	4
Introduction	5
1 Scope	6
2 Normative references	6
3 Terms and definitions	6
4 Principles of the method	7
5 Preparation of the test	9
5.1 General	9
5.2 Removal of air impurity and humidity into the installation	9
5.3 Radioactive methyl iodide used for sorbent testing	10
5.4 Preparation of sorbent samples	10
5.5 Measuring devices	11
5.6 Conditions for achieving equilibrium during the test	11
5.7 Safe conditions for workers and members of the public	11
6 Test conditions	12
7 Sorbent testing	12
8 Test performance	14
9 Determination of the sorption capacity index	15
9.1 Sorption capacity index determination	15
9.2 Calculating sorption capacity index	16
9.3 Uncertainties of measurements	17
10 Documenting test results	18
Annex A (normative) Format of test report (for the customer)	19
Annex B (normative) Format of internal test report	20
Annex C (normative) Measurements results	21
Annex D (informative) Example of expected results for sorption capacity index	22
Bibliography	24