

DIN EN ISO 8872:2023-02 (E)

Aluminium caps and aluminium/plastic caps for infusion bottles and injection vials - General requirements and test methods (ISO 8872:2022)

Contents	Page
European foreword	3
Foreword	4
Introduction	5
1 Scope	6
2 Normative references	6
3 Terms and definitions	6
4 Requirements	7
4.1 General	7
4.2 Aluminium component	7
4.2.1 Mechanical characteristics	7
4.2.2 Chemical composition	7
4.2.3 Dimensions	8
4.2.4 Contamination	8
4.2.5 Earing	8
4.2.6 Other defects	8
4.3 Plastic component	8
4.3.1 Mechanical characteristics	8
4.3.2 Chemical composition	8
4.3.3 Dimensions	8
4.3.4 Contamination	8
4.3.5 Other defects	8
4.4 Functional requirements of aluminium and aluminium-plastic caps	9
4.4.1 Opening and tear-off forces for aluminium caps	9
4.4.2 Joining of aluminium and plastic component	9
4.4.3 Opening and tear-off forces for aluminium/plastic caps	9
4.4.4 Mechanical requirements after sterilization	9
5 Test methods	9
5.1 General	9
5.2 Mechanical characteristics	10
5.3 Chemical composition	10
5.4 Dimensions	10
5.5 Earing	10
5.6 Opening and tear-off forces of aluminium and aluminium/ plastic caps	10
5.7 Test methods after sterilization	11
5.7.1 Stability of coating on aluminium	11
5.7.2 Test method for premature opening and deformation	11
6 Packaging	11
7 Marking	11
Annex A (informative) Aluminium and aluminium plastic caps – Type drawings	12
Annex B (normative) Opening and tear-off forces	13
Bibliography	18