

DIN EN ISO 7886-2:2020-10 (E)

Sterile hypodermic syringes for single use - Part 2: Syringes for use with power-driven syringe pumps (ISO 7886-2:2020)

Contents	Page
European foreword.....	4
Foreword.....	5
Introduction.....	6
1 Scope	8
2 Normative references	8
3 Terms and definitions	8
4 Nomenclature	8
5 General requirements	9
6 Limits for acidity or alkalinity	9
7 Limits for extractable metals	9
8 Lubricant	9
9 Tolerance on graduated capacity	9
10 Graduated scale	9
11 Syringe design	9
12 Piston/plunger assembly	11
12.1 Design.....	11
12.2 Fit of plunger stopper/plunger in barrel.....	11
13 Nozzle	11
13.1 Conical fitting.....	11
13.2 Nozzle lumen.....	11
14 Performance	11
14.1 Dead space.....	11
14.2 Freedom from air and liquid leakage past the plunger stopper.....	11
14.3 Short-term flow rate error.....	11
14.4 Pump forces.....	12
14.5 Syringe compliance.....	12
15 Packaging	13
15.1 Unit packaging and self-contained syringe units.....	13
15.1.1 Unit packaging.....	13
15.1.2 Self-contained syringe units.....	13
15.2 Multiple unit pack.....	13
15.3 User packaging.....	13

16	Information supplied by the manufacturer	13
16.1	General	13
16.2	Syringes	13
	16.2.1 General	13
	16.2.2 Additional marking for self-contained syringe units	14
16.3	Unit packaging	14
16.4	Multiple unit packs	14
	16.4.1 General	14
	16.4.2 Multiple unit packs with self-contained syringes	14
16.5	User packaging	14
16.6	Storage container	14
16.7	Transport wrapping	14
Annex A	(normative) Short-term flow rate accuracy	15
Annex B	(informative) Pump force	20
Annex C	(normative) Determination of syringe compliance	22
Bibliography		24