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**Snap-on bottles for metering pumps —  
Part 3:  
Plastic**

*Flacons encliquetables pour pompes doseuses —  
Partie 3: Plastique*



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# Contents

Page

<b>Foreword</b> .....	<b>iv</b>
<b>Introduction</b> .....	<b>v</b>
<b>1 Scope</b> .....	<b>1</b>
<b>2 Normative references</b> .....	<b>1</b>
<b>3 Terms and definitions</b> .....	<b>1</b>
<b>4 Symbols</b> .....	<b>3</b>
<b>5 Dimensions</b> .....	<b>4</b>
5.1 General.....	4
5.2 Bottles without sealing ring.....	4
5.3 Bottles with sealing ring.....	5
<b>6 Materials</b> .....	<b>7</b>
<b>7 Requirements</b> .....	<b>7</b>
7.1 General requirements.....	7
7.2 Physical requirements.....	8
7.2.1 Vertical Force.....	8
7.2.2 Particulate contaminations.....	8
7.3 Chemical requirements.....	8
7.4 Sterilization.....	8
<b>8 Marking of the bottle</b> .....	<b>8</b>
<b>9 Packaging options</b> .....	<b>8</b>
9.1 General packaging requirements.....	8
9.2 Packaging for nonsterile plastic bottles.....	9
9.3 Ready to sterilize or sterile plastic bottles.....	9
<b>Annex A (informative) Snap-on considerations</b> .....	<b>10</b>
<b>Annex B (informative) Tightness test</b> .....	<b>12</b>
<b>Annex C (informative) Inner depth measuring</b> .....	<b>13</b>
<b>Annex D (informative) Vertical force measurement technical method</b> .....	<b>14</b>
<b>Annex E (informative) Example of a packaging configuration</b> .....	<b>17</b>
<b>Bibliography</b> .....	<b>18</b>

## Foreword

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The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see [www.iso.org/directives](http://www.iso.org/directives)).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see [www.iso.org/patents](http://www.iso.org/patents)).

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For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see [www.iso.org/iso/foreword.html](http://www.iso.org/iso/foreword.html).

This document was prepared by Technical Committee ISO/TC 76, *Transfusion, infusion and injection, and blood processing equipment for medical and pharmaceutical use*.

A list of all parts in the ISO 24166 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at [www.iso.org/members.html](http://www.iso.org/members.html).

## Introduction

This document is part of a series of International Standards for containers made from different materials used in combination with metering pumps for medicinal applications.

Glass containers are mainly used for that purpose. Plastic containers can be used as an alternative.

This document can be used for the development of standardized filling and assembling equipment.

Based on the dimensions of the containers, appropriate components, such as metering pumps and other closure systems can be developed and standardized. As such this document provides important inputs for developing entire packaging systems for medicinal applications.

Primary packaging materials are an integral part of medicinal products. Thus, depending on the jurisdiction, the principles of the current Good Manufacturing Practices (cGMP) can apply to the manufacturing of these components (e.g. ISO 15378).