

S.I.F.RA. EST S.P.A.

QUALITY CONTROL DEPARTMENT

APPROVED LABORATORY FOR APPLIED RESEARCH (Reg. Aut. F.V.G. decr. 150/art. 10/250)

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TECHNICAL DATA SHEET

SIFTUBE ® Medical Grade PVC Tube

Product code: 0009T (specific identification code)

Compound: SIFLEX® SE0009EG Medical Grade PVC Granulate

NOTE: Small color differences depend only on the color tone of the PVC resin.

This technical information consists of typical product data and should not be used as a specifically

CHEMICAL SPECIFICATIONS

Eur. Ph. Ed. in force

FORMULATION

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- Not less than 55% of poly(vinyl chloride)
- Not more than 40% of di(2-ethylihexyl)phtalate
- Not more than 1% of zin octanoate (zinc 2-ethylhexanoate)
- Not more than 1% of calcium stearate or zinc stearate or 1% of a mixture of the two
- Not more than 1% of 0 N,N' diacylethylenediamines (in this context acyl means in particular palmitoyl and stearoyl)
- Not more than 10% of one the following epoxidised oils or 10% of a mixture of the two
- Epoxidised soya oil of which the oxiran oxygen content is 6% to 8% and the iodine value is not greater than 6
- Epoxidised linseed oil of which the oxiran oxygen content is not greater than 10% and the iodine value is not greater than 7

TEST

Alkalinity Acidity **UV** absorption

Reducing Substances Water etractable substances Appearance

Limit Value 0.5 HCI 0.01 M

0,5 NaOH 0.01 0,30 230/250nm

0,15 251/3 0nm 2.0 ml No. 203 0.01 M 1.5 mg < Clear colour)ess

GENERAL STATEMENT

We hereby confirm that this product meets the requirements of the European Pharmacopoeia of less than 50 ppm for total incidental Heavy Metals and less than 1.0 ppm for Vigi

BIOLOGICAL REACTIVITY

of Cylotoxicity

Acute Systemic injection test in the Mouse

Intracutaneous Injection in the Rabbit mplantation Test in

the Rabbit Hemolysis test **Bacterial Endotoxins Test**

Physicochemical tests - Plastics

(LAL Test)

VALUE

In Conformity

In Conformity

In Conformity

In Conformity In Conformity

In Conformity

In Conformity

PHYSICAL PROPERTIES

The physical properties, listed below are referring to the Compound.

UNIT MEASURES VALUE **PROCEDURE** TEST Tensile strength at break МРа ISO 527 19 Elongation at break Break at low temperature 370 ISO 527 $^{\circ}C$ - 14° C ISO 458 Shore "A" durameter hardness SH"A" (15"/23°C) 88 ± 2 MAL 1-002 Density $1,24 \pm 0.02$ MAL 1-001 gr/cm3

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Date of issued: 20/10/09

Signature:

Date of verification:20/10/09

Signature:

Date of approval: 20/10/09

Signature:

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