

Solutran G®

Technical sheet

Medical Grade PVC Granule-Lay Flat Tubing - Tube for Container for Draining, Feeding...

CHEMICAL SPECIFICATIONS Eur. Ph. Sez. 3.1.1.1

FORMULATION

Poly(vinyl chloride)	> 55%
Plasticizer (DOP or DOP free)	< 40%
Epoxidised soya oil	< 5%
N,N'-diacylethylenediamines	< 1%
Calcium stearate	< 1%

TEST

LIMIT VALUE

Vinyl chloride	1,0 ppm
Appearance	Clear, Colourless
Alkalinity	1,0 ml HCl 0.01 M
Acidity	1,5 ml NaOH 0.01 M
Reducing Substances	2,0 ml Na ₂ S ₂ O ₃ 0.01 M
UV Absorption	0,25 250-310nm
Residue on Evaporation	0,3%
Barium	5,0 ppm
Cadmium	0,6 ppm
Heavy Metals	50,0 ppm
Calcium	0,07%
Tin	20,0 ppm
Zinc	0,2%

Small color differences depend only
from the color tone of the PVC resin

PHYSICAL PROPERTIES

TEST	VALUE	UNIT	REFEREN.
Appearance	White Omogeneous Granule		
	Embossed Texture (Film)		
	Santined Appearance (Film)		
	Natural Colour (Film)		
	Contamination Free		
	Burned Point Free		
Hardness	70	Shore A	ISO 868
Tensile strenght at break	150	Kg/cm ²	ISO R527
Elongation at break	320	%	ISO R527
Temperature of stiffening	-15	°C	ISO R458
Density	1,21	g/cm ³	ISO R1183

BIOLOGICAL RECTIVITY UNI EN ISO 30993

TEST	IN CONFORMITY
Irritation	Yes
Cytotoxicity	Yes
Implantation	Yes
Hermolysis	Yes
Systemic Toxicity	Yes