

Solutran[®] dop free

Technical sheet

Medical Grade PVC Granule-Lay Flat Tubing- Tube PHTHALATE FREE for Infusional Sector Container for Infusional Solution - Haemodialysis - Peritoneal Dialysis

CHEMICAL SPECIFICATIONS Eur. Ph. Sez. 3.1.1.1	
FORMULATION	
Poly(vinyl chloride)	> 55%
Plasticizer (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%

PHYSICAL PROPERTIES			
TEST	VALUE	UNIT	REFEREN.
Appearance	Omogeneous Granules		
	Omogeneous Film		
	Natural Colour		
	Crystal Colour		
	Contamination Free		
	Burned Point Free		
Hardness	83	Shore A	ISO 868
Tensile strenght at break	170	Kg/cm ²	ISO R527
Elongation at break	300	%	ISO R527
Temperature of stiffening	-9	°C	ISO R458
Density	1,24	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

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

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