



SPECIFICATION

Digitoxin

Product Code:	OD09336
Synonyms:	3-[(O-2,6-Dideoxy-b-D-ribohexopyranosyl-(1>4)-O-2,6-dideoxy-b-D-ribohexopyranosyl-(1>4)-2,6-dideoxy-b-D-ribohexopyranosyl)oxy]-14-hydroxy-Card-20(22)-enolide Carditoxin Crystalline digitalin
CAS Number:	71-63-6
Chemical Formula:	C ₄₁ H ₆₄ O ₁₃
Molecular Weight:	764.96

TECHNICAL SPECIFICATION

Appearance:	White to to almost white powder
Assay (calculated on dry basis):	95 - 103%
Specific optical rotation [α] _D	+16 to +18.5° ²⁰ (c=2.5, CHCl ₃):
Loss on drying:	max 1.5%
Identity (IR):	Conforms
Solubility 0.5% solution in equal volumes of chloroform & methanol:	Clear, colourless liquid
Related substances (TLC) Gitoxin:	max 2%
Related substances (TLC) Other glycosides:	max 1%
Residual solvents Methanol:	max 3000ppm
Residual solvents Ethyl Acetate:	max 5000ppm
Residual solvents Ethanol:	max 5000ppm
Sulfated ash:	max 0.1%