



Certificato

date of issue
2023-03-24

GLICERINA VEGETALE FARMACEUTICA	
customer	GLOWELL S.p.A.
product name	GLYCERINE VEGETABLE PHARMACEUTICAL
IUPAC name	propane-1,2,3-triol
chemical formula	C3H8O3
packaging	IBC 1250 kg
amount	2500 kg
batch number	600/2023
mfg date	2023-03
exp date	2024-03

parameters	unit	specification	results
Refractive index (test A)	-	Compatibile	pass
Infrared absorption spectroscopy (Test B)		Compatibile	pass
Density at 20°C (test C)	g/cm ³	1,258 - 1,268	1,262
Assay	%	99.5 - 101	99,7
Acidity or alkalinity	ml 0,1M NaOH	max. 0.2	0,05
Aldehydes content	ppm	max. 10	<10
Ester content	ml (0,1 M HCl)	min. 8	8,65
Halogenated compounds	ppm	max. 35	<35
Sugars		Acc. Ph. Eur. 8th Edit. 2014	pass
Chloride content	ppm	max. 10	<10
Water content	%	max. 0.5	0,063
Refractive index	-	1.470 - 1.475	1,474
Sulphated ash	%	max. 0.01	<0,01
DEG content	%	max. 0.1	<0,1
Peaks R(t)	%	max. 0.1	<0,1
Peaks R(t)	%	max. 0.5	<0,5
Color	Pt-Co	max. 10	4

Dichiariamo che i risultati sono coerenti con il certificato del produttore.