

# Standard Analysis Certificate

**PRODUCT** :GLYCEROL ERBApharm - Vegetal origin - According to pharmacopoeia: Ph.Eur.-  
 USP-FU-Ph.Franc.-BP-DAB

**CODE** :346160

TEST	U.M.	SPECIFICATION
Appearance	-	Clear colourless liquid
Identification A	Ph.Eur.	Conform
Identification B	Ph.Eur.	Conform
Identification A	USP-NF	Conform to IR ref.spectrum
Identification B	USP-NF	Conform
Identification C	USP-NF	Same Rt to standard by GC
Appearance of solution S	Ph.Eur.	Clear, colourless
Acidity or alkalinity	Ph.Eur.	Conform
Sugars	Ph.Eur.	Conform
Esters	Ph.Eur.	Conform
Fatty acids and esters	USP-NF	Conform
Colour	USP-NF	Not darker than standard
Density at 25°C	-	>= 1.249
Refractive index at 20°C	-	1.470 ÷ 1.475
Water (K.F.)	%	<= 2.0
Aldehydes	ppm	<= 10
Sulfated ashes	%	<= 0.01
Chloride	ppm	<= 10
Limit of chlorinated compounds (as Cl)	ppm	<= 30
Halogenated compounds	ppm	<= 35
Heavy metals (Pb)	ppm	<= 5
Sulphate	ppm	<= 20
Ethylene glycol	%	<= 0.1
Diethylene glycol	%	<= 0.1
Imp.A and related substances	Ph.Eur	Conform
Impurity Ret.time < glycerol	%	<= 0.1
Total imp.Ret.time > glycerol	%	<= 0.5
Related compounds	USP-NF	Conform
Any impurity	%	<= 0.1
Total impurities	%	<= 1.0
Assay (acidimetric)	% on dry	99.0 ÷ 101.0

Our products should be used in compliance with the current legislation, raw material for pharmaceutical uses included.

Date

:11/01/2020

QUALITY CONTROL RESPONSIBLE
**B. COULANGE (VDR)**