



## Certificate of Analysis

**Productname:** Polysorbatum 80

**Inspection No:** L01002/0224/536  
**Batchnumber:** 24A17-T15-108803  
**Expiration date:** 28.11.2025  
**Analysed according to:** Ph.Eur.11.2  
**Original Manuf. Date:** 29.11.2022

**Sample Unit:** 1 x 10 ml  
**Batch Size:** 35 x 1 l

**Identification of producer:** V01687  
**Batch no. of vendor:** 1/2549959

	Requirement	Result	Unit	Standard remark	Insp. Site
CHARACTERS					
Appearance	Oily, colourless or brownish-yellow, clear. or slightly opalescent liquid.	Conform			Fagron CZ
Solubility	Conform	Conform			Fagron CZ
Relative density	About 1,10	1,08			Fagron CZ
Viscosity	About 400	Conform	mPa.s	25 °C	Fagron CZ
IDENTIFICATION					
Identification A	Conform	Conform		IR-spectrum	Fagron CZ
Identification D	Conform	Conform		Composition of fatty acids	Contract Lab
TESTS					
Acid value	<=2,0	0,37			Fagron CZ
Hydroxyl value	65 - 80	75			Fagron CZ
Peroxide value	<=10,0	0,210			Fagron CZ
Saponification value	45 - 55	49			Fagron CZ
Composition of fatty acids	Conform	Conform		GC	Contract Lab
Myristic acid	<=5,0	0,1	%		Contract Lab
Palmitic acid	<=16,0	14,4	%		Contract Lab
Palmitoleic acid	<=8,0	0,8	%		Contract Lab
Stearic acid	<=6,0	3,7	%		Contract Lab
Oleic acid	>=58,0	74,8	%		Contract Lab
Linoleic acid	<=18,0	0,4	%		Contract Lab
Linolenic acid	<=4,0	<0,05	%		Contract Lab
Ethylene oxide	<=1	<0,3	ppm	GC	Contract Lab
Dioxane	<=10	<3,5	ppm	GC	Contract Lab
Water	<=3,0	2,6	%	Karl Fischer	Fagron CZ
Total ash	<=0,25	0,0	%		Fagron CZ
Microbiology	Conform	Conform			Contract Lab
TAMC	<=2 x 10 <sup>3</sup>	<10	CFU/g		Contract Lab
TYMC	<=2 x 10 <sup>2</sup>	<10	CFU/g		Contract Lab
TSE/BSE	No contamination with TSE/BSE-risk materials.	Conform			Data Producer
Residual solvents	ICH Q3C	Conform			Data Producer
Metallic residues	ICH Q3D	Conform			Data Producer

Quality: Excipient

<b>Name</b>	Fagron a.s. (CZ)	<b>Address</b>	Holická 1098/31m, Olomouc	<b>Phone No.</b>	+420585222590
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**Performed by:** Ludmila Burianová

**Responsible:** Mgr. Zdeňka Šinclová, QC  
MVDr. Zdenka Borská, QP

**Date:** 22.02.2024

**Conclusion:** **APPROVED**

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