

Certificate of Analysis

Productname: Sorbitani sesquioleas

Inspection No: 109574/1221/536
Batchnumber: 21J29-T01-089563
Expiration date: 01.06.2023
Analysed according to: ČL 2017-Dopl.2018,Ph.Eur.10.0
Original Manuf. Date: 31.5.2021

Sample Unit: 1 x 5 ml
Batch Size: 250 x 250 ml

Identification of producer: V01582
Batch no. of vendor: 0001867706

	Requirement	Result	Unit	Standard remark	Insp. Site
CHARACTERS					
Appearance	Pale yellow or slightly brownish-yellow paste, which becomes a viscous, oily, brownish-yellow liquid at about 25 °C.	Conform			Fagron CZ
Solubility	Conform	Conform			Fagron CZ
Relative density	About 0,99	Conform			Fagron CZ
IDENTIFICATION					
Identification A	180 - 215	201		Hydroxyl value	Fagron CZ
Identification B	70 - 95	78		Iodine value	Fagron CZ
Identification C	Conform	Conform		Composition of fatty acids, GC	Contract Lab
TESTS					
Acid value	<=16,0	7,62			Fagron CZ
Hydroxyl value	180 - 215	201			Fagron CZ
Iodine value	70 - 95	78			Fagron CZ
Peroxide value	<=10,0	1,92			Fagron CZ
Saponification value	145 - 166	152			Fagron CZ
Composition of fatty acids	Conform	Conform		GC	Contract Lab
Myristic acid	<=5,0	<0,1	%		Contract Lab
Palmitic acid	<=16,0	5,9	%		Contract Lab
Palmitoleic acid	<=8,0	1,0	%		Contract Lab
Stearic acid	<=6,0	1,5	%		Contract Lab
Oleic acid	65,0 - 88,0	75,2	%	GC	Contract Lab
Linoleic acid	<=18,0	14,1	%		Contract Lab
Linolenic acid	<=4,0	0,6	%		Contract Lab
Fatty acids of chain length >C18	<=4,0	1,0	%		Contract Lab
Water (Karl Fisher)	<=1,5	0,2	%		Fagron CZ
Total ash	<=0,5	0,1	%		Fagron CZ
Microbiology	Conform	Conform			Contract Lab
TAMC	<=2 x 10 ³	<10	CFU/g		Contract Lab
TYMC	<=2 x 10 ²	<10	CFU/g		Contract Lab
TSE/BSE	No contamination with TSE/BSE-risk materials.	Conform			Data Producer
Residual solvents	CPMP/ICH/82 260/2006	Conform			Data Producer
Metallic residues	ICH Q3D on elemental impurities	Conform			Data Producer

Name	Fagron a.s. (CZ) Kontrolní laboratoř č. 536	Address	Holická 1098/31m, Olomouc	Phone No.	+420585222590
		Post Code	779 00	Fax No.	+420 585 226 521

Performed by: Lucie Kubáňová DiS.
Responsible: Ing. Pavel Mišák, QC
MVDr. Zdenka Borská, QA
Date: 08.12.2021
Conclusion: **APPROVED**

This document has been produced electronically from our quality system and is valid without signature.

Name	Fagron a.s. (CZ) Kontrolní laboratoř č. 536	Address	Holická 1098/31m, Olomouc	Phone No.	+420585222590
		Post Code	779 00	Fax No.	+420 585 226 521