

A quality management system registered to the international standard ISO 9001 was used to manufacture and test this material.

Certificate prepared at

Croda Europe Limited
c/o Croda Ibérica SA, Mevisa Site
Carretera C-35 Km 72
08495 Fogars de la Selva, Spain

Customer details

METAPHARMACEUTICAL INDL., S.L.
C/Josep Plà, 163. 2º 5ª
08020 Barcelona
Spain
Fax No. 93 303 17 50

Customer Ref. 19.09.2019
Inspection Lot 040000980374
C of A Printed. 30.09.2019
Croda Order No. 3131632
Croda Del. No. 83550572
Quantity. 80,000 KG

Batch Details

Product Name: SPAN 83-LQ-(MV)
Product Code: SDR0934/0020/RP02
Batch No: 0001590534

Date of test: 12.09.2019
Date of manufacture: 03.09.2019
Retest date: 02.09.2021

Specification: AMENDED 11-APR-2018

Quality Control Results

Analytical Test Method No.	Characteristic	Specification Limit		Value	Unit	Status
		Lower	Upper			
	Addendum 00	PASS OR FAIL		Pass	-	P
	REVISION NUMBER	7.0		Pass	-	P
	MATERIAL CONFORMS TO	CURRENT PhEur		Pass	-	P
	MONOGRAPH NAME	SORBITAN SESQUIOLEAT E		Pass	-	P
AR010260	APPEARANCE (CLARITY)	CLEAR/SLIGHTLY HAZY MAY FORM SEDIMENT		Pass	-	P
AR010270	APPEARANCE (COLOUR)	YELLOW TO BROWNISH YELLOW		Pass	-	P
AR010280	APPEARANCE (FORM)	VISCOUS LIQUID		Pass	-	P
ER020020	SAPONIFICATION VALUE	145	160	154	mg KOH/g	P
ER020040	IODINE VALUE	70	80	78	g/100g	P
ER020030	HYDROXYL VALUE	185	215	212	mg KOH/g	P
ER071200	PEROXIDE VALUE	0	3	1	meq/kg	P
ER098600	WATER CONTENT	0,0	1,0	0,5	%w/w	P
ER020010	ACID VALUE	0	12	8	mg KOH/g	P
LR020710	COLOUR	0	7	7	Gardner	P
FR020100	SULPHATED ASH	0.5% w/w MAX		Pass	-	P
LR020290	MYRISTIC ACID C14	0,0	5,0	0,1	%w/w	P
LR020290	PALMITIC ACID C16	0,0	16,0	3,2	%w/w	P
LR020290	PALMITOLEIC ACID C16:1	0,0	8,0	1,0	%w/w	P
LR020290	MARGARINIC ACID C17	0,0	0,2	0,2	%w/w	P

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LR020290	STEARIC ACID C18	0,0	6,0	1,4 %w/w	P
LR020290	OLEIC ACID C18:1	65,0	88,0	79,0 %w/w	P
LR020290	LINOLEIC ACID C18:2	0,0	18,0	13,2 %w/w	P
LR020290	LINOLENIC ACID C18:3	0,0	4,0	1,0 %w/w	P
LR020290	>C18	0,0	4,0	0,9 %w/w	P

This product conforms to ICH Residual solvents.

May form a sediment at low temperatures; to clarify the product heat to 40°C and stir/agitate until homogeneous.

Batch Status: Pass

The quality tests on this batch are reported above. The tests carried out are those necessary to demonstrate compliance with our product specification and are not intended to guarantee the product as suitable for any application beyond those contained in the specification. We recommend you perform your own quality and or identification checks on receipt

The name printed at the end of this document is an electronic signature.

Confirmed by

Juan Ferreira QC Manager