

## CERTIFICATE OF ANALYSIS

### MASSOCARE® SQO

(INCI : Sorbitan Sesquioleate)

**Batch nr.:** 206637  
**Manufacturing date :** January – 2019  
**Recommended re-test date :** January – 2021

Complies EP

#### CoA according specification

	Units	Specification	Results
Appearance @ 25°C (clarity)	---	Clear/slightly hazy May form sediment	Conforms
Appearance @ 25°C (colour)	---	Yellow to brownish yellow Viscous liquid	Conforms
Acid value	mgKOH/g	Max. 12,0	9,0
Saponification value	mgKOH/g	145,0 – 160,0	157,0
Iodine value	g/100g	70,0 – 80,0	77,0
Hydroxyl value	mgKOH/g	185,0 – 215,0	202,0
Water content	%	Max. 1,0	0,3
Heavy metals	ppm	Max. 10	Conforms
Sulphated ash	% m/m	Max. 0,5	Conforms
Peroxide value	meq/kg	Max. 10	2
Myristic acid – C14	% m/m	Max. 5,0	0,2
Palmitic acid – C16	% m/m	Max. 16,0	3,6
Palmitoleic acid – C16:1	% m/m	Max. 8,0	0,8
Margarinic acid – C17	% m/m	Max. 0,2	0,2
Stearic acid – C18	% m/m	Max. 6,0	1,3
Oleic acid – C18:1	% m/m	65,0 – 88,0	78,1
Linoleic acid – C18:2	% m/m	Max. 18,0	13,9
Linolenic acid – C18:3	% m/m	Max. 4,0	1,0
> C18	% m/m	Max. 4,0	0,6

Certificate of analysis generated electronically (not signed)

