

Glycerol monostearate 40% EP 9 Type I

EP monography : Glyceroli monostearas 40-55

CAS : 123-94-4

EINECS : 204-664-4

INCI : Glyceryl Stearate

Origin : vegetable

Main functionalities

- water in oil emulsifier
- emulsifier and bodying agent in skin care formulations

Product Specifications

Monoacylglycerols [= Id. D]	%	40,0 - 55,0
Diacylglycerols	%	30,0 - 45,0
Triacylglycerols	%	5,0 - 15,0
Melting point [= Id. A]		54 - 66
Acid value	mg KOH/g	≤ 3,0
Iodine value	g I ₂ /100g	≤ 3,0
Saponification value	mg KOH/g	158 - 177
Free glycerol	%	≤ 6,0
Fatty acids composition [= Id. C]		
C18 stearic acid	%	40,0 - 60,0
C16 palmitic acid + C18 stearic acid	%	> 90,0
Nickel	ppm	≤ 1
Water	%	≤ 1,0
Total ash	%	≤ 0,1

Other characteristics-typical values

Appearance	white or almost white waxy solid as beads
Solubility	Practically insoluble in water, soluble in ethanol (96%) at 60°C
HLB	3

Similar available products

Glycerol monostearate 60% / 90%, Glycerol monostearate SE, Glycerol monooleate
Sorbitan monostearate, , Polyglycerol monostearate
Glycerol tristearate

Packaging

25 kg bags