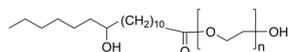


Certificate of Analysis

Product Name:	Solutol HS-15
Cat. No.:	CS-0040442
CAS No.:	61909-81-7
Batch No.:	31742
Chemical Name:	Poly(oxy-1,2-ethanediyl), α -(12-hydroxy-1-oxooctadecyl)- ω -hydroxy-

PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:	$(C_2H_4O)_n C_{18}H_{36}O_3$
Storage:	2-8°C, sealed storage, away from moisture
Chemical Structure:	



ANALYTICAL DATA

Appearance:	Colorless to off-white (Oil)
pH-Value (100 g/L in water):	6.4
Water:	0.1g/100g
Heavy metals:	max.10mg/kg
Residual solvents ethylene glycol:	<50mg/kg
Residual solvents acetic acid:	<0.5g/100g
Total ash:	0.1g/100g
Total aerobic microbial count (TAMC):	<10CFU/g
Conclusion:	The product has been tested and complies with the given specifications.

Caution: Product has not been fully validated for medical applications. For research use only.

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