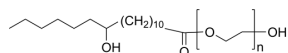


Certificate of Analysis

Product Name:	Solutol HS-15
Cat. No.:	CS-0040442
CAS No.:	61909-81-7
Batch No.:	78737
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)
Free macrogols:	33.0 g/100g
pH(100 g/l in water):	6.4
Acid value:	1 mg KOH/g
Hydroxyl value:	102 mg KOH/g
Iodine value:	2 g I2/100g
Peroxide value:	3 meq/kg
Spanification value:	60 mg KOH/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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