

## **Certificate of Analysis**

 Product Name:
 Solutol HS-15

 Cat. No.:
 CS-0040442

 CAS No.:
 61909-81-7

 Batch No.:
 112765

**Chemical Name:** Poly(oxy-1,2-ethanediyl),  $\alpha$ -(12-hydroxy-1-oxooctadecyl)- $\omega$ -hydroxy-

## PHYSICAL AND CHEMICAL PROPERTIES

**Molecular Formula:**  $(C_2H_{4O})nC_{18}H_{36}O_3$ 

**Storage:** 2-8°C, sealed storage, away from moisture

**Chemical Structure:** 

## **ANALYTICAL DATA**

**Appearance:** Colorless to off-white (Oil)

 PH-TEST:
 6.3

 Water(KF):
 0.1 %

 RESIDUE ON IGNITION:
 0.2 %

FREEZING POINT: 25 degree C
DIOXAN: < 10 PPM
ETHYLENE OXIDE: < 1 PPM
HEAVY METALS: < 10 PPM
NICKEL: < 1 PPM

IODINE VALUE: 0.3 G I/100G
PEROXIDE VALUE: < 1 MEQ/KG
ACID VALUE: 0.2 MG KOH/G
HYDROXYL VALUE: 108 MG KOH/G
SAPONIFICATION 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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