

## Certificate of Analysis

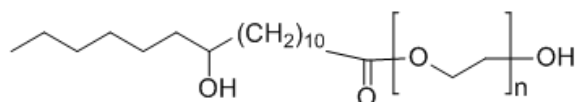
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Product Name: Solutol HS-15  
 Cat. No.: GC30012  
 Batch No.: 27  
 Chemical Name:

### PHYSICAL AND CHEMICAL PROPERTIES

Cas. No.: 61909-81-7  
 Molecular Formula:  $(C_2H_4O)_n C_{18}H_{36}O_3$   
 Molecular Weight:  
 Storage: Store at 4°C, sealed storage, away from moisture

Chemical Structure:



### ANALYTICAL DATA

Appearance: An oil  
 Acid Value: 0.2 mg KOH/g  
 Hydroxyl Value: 105 mg KOH/g  
 Iodine Value: 0.4 g Iodine/100g  
 Peroxide value: <1.0 meq/kg  
 Saponification Value: 59 mg KOH/g  
 Free macrogols: 32.3 g/100g  
 Nickel: <1 mg/kg  
 Water (Karl-Fischer-Titration): 0.1 g/100g  
 Total ash: 0.2 g/100g  
 pH-Value (10 g/100mL water): 6.8  
 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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