

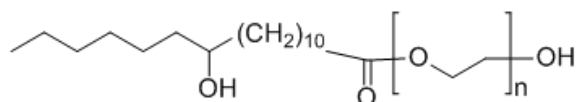
Certificate of Analysis

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

PHYSICAL AND CHEMICAL PROPERTIES

| | |
|--------------------|---|
| Cas. No.: | 61909-81-7 |
| Molecular Formula: | (C ₂ H ₄ O) _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: | 102 mg KOH/g |
| Iodine Value: | 0.4 g Iodine/100g |
| Peroxide value: | <1 meq/kg |
| Saponification Value: | 59 mg KOH/g |
| Free macrogols: | 32.8 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): | 6.0 |
| 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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