

Certificate of Analysis

Product Name	Solutol HS-15
Catalog No.	V29892
Batch No.	V2989202

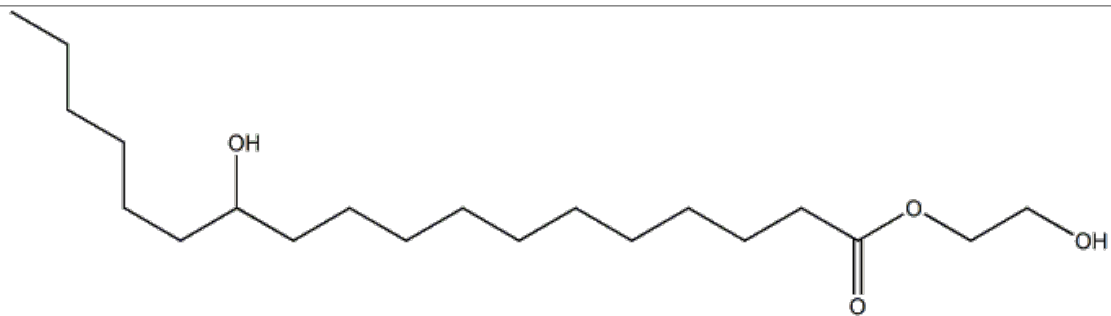
1. Physical and Chemical Properties

Appearance	
Molecular Formula	C ₂₀ H ₄₃ NO ₄
Molecular Weight	361.559726953506
Purity	Hydroxyl value=96
CAS No.	61909-81-7
Production Date	
Retest Date	2028-09-15

2. Analytical Data

Test Item	Specification	Result
Appearance	off-whiteto yellowish paste	Conforms
Identification(TLC)	Meet requirements	Conforms
Identification(Viscosity)	Meet requirements	Conforms
Identification(free macrogols)	Meet requirements	Conforms
Acid value (mg KOH/g)	Max.:1.0	0.2
Hydroxyl value (mg KOH/g)	90-110	96
Iodine Value (g Iodine/100g)	Max.:2.0	0.6
Peroxide value (meq/kg)	Max.:5.0	Conforms
Saponification value	53-63	56
Free macrogols	27.0-39.0	37.2
Nickel(mg/kg)	Max.:1	Conforms
Water(karl-fischer-titration)	Max.:1.0	0.1
Total ash	Max.:0.3	0.2
Acidity	5.0-7.0	6.4
Heavy metals*(test solution:12ml of a 5.0g in 50ml watersolution)	(max.10mg/kg)	Conforms
Ethylene oxide(mg/kg)	Max.:1	Conforms
1,4-Dioxane(mg/kg)	Max.:10	Conforms
Diethylene glycol(mg/kg)	Max.:0.062%	0.001%
Residualsolvents acetic acid(g/100g)	Max.:0.5	0.1
Residualsolvents ethylene glycol(mg/kg)	Max.:620	Conforms

3. Structure



4. Storage Condition

Storage Condition	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month
Note: Please store this product in a sealed and protected environment, avoid exposure to moisture.			

Products are for research use only • Not for human or veterinary use

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