

## Certificate of Analysis

Date of Testing: 2024-08-22 09:51:37  
Date of Next Testing: 2027-08-22 09:51:37  
Product Name: **Kolliphor® HS 15**  
CAS Number: 70142-34-6  
Specifications & Purity:  
Lot #: H2412165  
SKU #: **K487242**  
Version: **1**  
Analysis #: **394988**

Parameter	Limit Values	Result
Acetic acid Content	0-0.5 (%)	0.10000 %
Water by Karl Fischer	0-0.5 (%)	0.10 %
Ethylene oxide	0-1 (ppm)	0.20000 ppm
Nickel(Ni)	0-1 (ppm)	1.00 ppm
dioxane	0-10 (ppm)	5.00000 ppm
diethylene glycol	0-620 (ppm)	50.00000 ppm
ethylene glycol	0-620 (ppm)	30.00000 ppm
Heavy metals	0-10 (ppm)	5.00 ppm
Residue on Ignition	0-0.3 (%)	0.10000 %
pH value(1 g/10 mL in H <sub>2</sub> O)	5-7	6.60000
Acid Value	0-1 (mgKOH/g)	0.20 mgKOH/g
Hydroxyl value	90-110 (mgKOH/g)	103.00 mgKOH/g
Iodine value (I <sub>2</sub> /100g)	0-2	0.80
Peroxide Value( meq/kg)	0-3 (meq/kg)	0.90000 meq/kg
Saponification value	53-63(mgKOH/g)	59.00 mgKOH/g



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ALADDIN SCIENTIFIC CORPORATION

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A handwritten signature in black ink that reads "John Su".

John Su  
QA & QC Manager