

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-11-08 14:52:53

Date of Next Testing: 2026-11-07 14:52:53

Product Name: **Kolliphor® HS 15**

CAS Number: 70142-34-6

Specifications &amp; Purity:

Lot #: J2331071

SKU #: **K487242****Analysis: 243739**

Parameter	Limit Values	Result
Acetic acid Content	0-0.5 (%)	0.20000 %
Water by Karl Fischer	0-0.5 (%)	0.10 %
Ethylene oxide	0-1 (ppm)	0.92000 ppm
Nickel(Ni)	0-1 (ppm)	0.95 ppm
dioxane	0-10 (ppm)	8.20000 ppm
diethylene glycol	0-620 (ppm)	99.60000 ppm
ethylene glycol	0-620 (ppm)	48.30000 ppm
Heavy metals	0-10 (ppm)	0.00 ppm
Residue on Ignition	0-0.3 (%)	0.20000 %
pH value(1 g/10 mL in H <sub>2</sub> O)	5-7	6.00000
Acid Value	0-1 (mgKOH/g)	0.20 mgKOH/g
Hydroxyl value	90-110 (mgKOH/g)	102.00 mgKOH/g
Iodine value (I <sub>2</sub> /100g)	0-2	0.40
Peroxide Value( meq/kg)	0-3 (meq/kg)	0.96000 meq/kg
Saponification value	53-63(mgKOH/g)	59.00 mgKOH/g

John Su  
QA & QC Manager