

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-01-30 16:02:27

Date of Next Testing: 2027-01-29 16:02:27

Product Name: **Kolliphor® HS 15**

CAS Number: 70142-34-6

Specifications & Purity:

Lot #: A2429213

SKU #: **K487242****Analysis: 316917**

Parameter	Limit Values	Result
Water by Karl Fischer	0-0.5 (%)	0.10 %
Ethylene oxide	0-1 (ppm)	0.36000 ppm
dioxane	0-10 (ppm)	3.20000 ppm
diethylene glycol	0-620 (ppm)	12.50000 ppm
ethylene glycol	0-620 (ppm)	12.30000 ppm
Heavy metals	0-10 (ppm)	1.10 ppm
pH value(1 g/10 mL in H ₂ 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 ₂ /100g)	0-2	0.40
Peroxide Value(meq/kg)	0-3 (meq/kg)	0.32000 meq/kg
Saponification value	53-63(mgKOH/g)	59.00 mgKOH/g
Acetic acid Content	0-0.5 (%)	0.20000 %
Nickel(Ni)	0-1 (ppm)	1.00 ppm
Residue on Ignition	0-0.3 (%)	0.20000 %

John Su
QA & QC Manager