

Certificate of Analysis

Date of Testing: 2024-11-20 19:14:55
Date of Next Testing: 2027-11-20 19:14:55
Product Name: **Kolliphor® HS 15**
CAS Number: 70142-34-6
Specifications & Purity:
Lot #: K2415397
SKU #: K487242
Version: **1**
Analysis #: **429215**

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)	0.01000 ppm
Nickel(Ni)	0-1 (ppm)	0.00 ppm
dioxane	0-10 (ppm)	1.00000 ppm
diethylene glycol	0-620 (ppm)	48.60000 ppm
ethylene glycol	0-620 (ppm)	20.10000 ppm
Heavy metals	0-10 (ppm)	1.36 ppm
pH value(1 g/10 mL in H ₂ O)	5-7	6.20000
Acid Value	0-1 (mgKOH/g)	0.20 mgKOH/g
Hydroxyl value	90-110 (mgKOH/g)	104.00 mgKOH/g
Iodine value (I ₂ /100g)	0-2	0.40
Peroxide Value(meq/kg)	0-3 (meq/kg)	0.01000 meq/kg
Saponification value	53-63(mgKOH/g)	60.00 mgKOH/g
Residue on Ignition	0-0.3 (%)	0.20000 %



ALADDIN SCIENTIFIC CORPORATION

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A handwritten signature in black ink that reads "John Su". The signature is written in a cursive, flowing style.

John Su
QA & QC Manager