

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-04-10 15:41:05

Date of Next Testing: 2027-04-10 15:41:05

Product Name: **Kolliphor® HS 15**

CAS Number: 70142-34-6

Specifications & Purity:

Lot #: D2402328

SKU #: **K487242****Analysis: 331143**

| Parameter | Limit Values | Result |
|---|------------------|----------------|
| Acid Value | 0-1 (mgKOH/g) | 0.20 mgKOH/g |
| Iodine value (I ₂ /100g) | 0-2 | 0.40 |
| Peroxide Value (meq/kg) | 0-3 (meq/kg) | 1.06000 meq/kg |
| Hydroxyl value | 90-110 (mgKOH/g) | 102.00 mgKOH/g |
| Acetic acid Content | 0-0.5 (%) | 0.33000 % |
| Water by Karl Fischer | 0-0.5 (%) | 0.41 % |
| Ethylene oxide | 0-1 (ppm) | 0.88000 ppm |
| Nickel(Ni) | 0-1 (ppm) | 0.76 ppm |
| dioxane | 0-10 (ppm) | 8.30000 ppm |
| diethylene glycol | 0-620 (ppm) | 545.00000 ppm |
| ethylene glycol | 0-620 (ppm) | 602.00000 ppm |
| Heavy metals | 0-10 (ppm) | 7.00 ppm |
| Residue on Ignition | 0-0.3 (%) | 0.21100 % |
| pH value(1 g/10 mL in H ₂ O) | 5-7 | 6.05000 |
| Saponification value | 53-63(mgKOH/g) | 54.00 mgKOH/g |

John Su
QA & QC Manager