

## CERTIFICATE OF ANALYSIS

<b>Product Name</b>	Cetareth 20		
<b>CAS NO</b>	68439-49-6		
<b>Batch Number</b>	20210611	<b>Manufacture Date</b>	20210611
<b>Report Date</b>	20210611	<b>Expiry Date</b>	20230610

Item of Analysis	Specification	Results
Acid Value, mg KOH/g	0.50 Max	0.3
Water, %	1.0 Max	0.2
Cloud Point, C, 1% in 5% Saline	90.0 – 94.0	93.5
Refractive Index, 60C	1.448 – 1.452	Conforms
Free-EO	<1 ppm	Conforms
Hydroxyl Value, mg KOH/g	49.0 – 55.0	52
Appearance	Conforms to Standard	0.17mg/kg
Odor	Match to Standard	25.9%
pH, 1% Solution	6.0 – 7.5	7
Alk. Impurity, ml 0.1N HCL/2g	0.50 Max	0.2
Saponification Value, mg KOH/g	1.0 Max	0.5
Solidification Point, C.	39.0 – 42.0	41

**Storage:** Store in tight, light-resistant containers, avoid exposure to direct sunlight, moisture and excessive heat.

**Shelf Life:** 24 months if store under the conditions above and stay in original packaging.

