

**Certificate of Analysis****(Representative Sample Certificate)**

**Product Name:** Ceteareth-20  
**INCI Name:** Ceteareth-20  
**CAS Number:** 68439-49-6  
**Lot Number:** Not available (data may vary slightly with different lots or batches)  
**Expiration Date:** 24 months from production date

Analytical Tests	Specifications	Results
Acid Value, MG Koh/G	0.50 max	0.1
% Water	1.0 max	0.3
Cloud Point, C, 1% in 5% saline	90-94	92
Refractive Index 60C	1.448-1.452	1.450
Free-EO, <1ppm		certified
Hydroxyl Value MG Koh/g	49-55	51.1
Appearance/Odor		Conforms
PH, 1% solution	6.0-7.5	7
Alk. Impurity, ML 0.1N HCL/2G	.50 max	0.0
Saponification Value	1.0	0.3
Solidification point C	39-42	40.5

The above data were obtained using the test indicated and is subject to the deviation inherent in the test method. Results may vary under other test methods or conditions.

This report is not to be signed.

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