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### CERTIFICATE OF ANALYSIS

Analysis Date:

Re-test Date:

**Product Name: Polyoxyl 20 Cetostearyl Ether**

#### Identification:

Chemical Name:

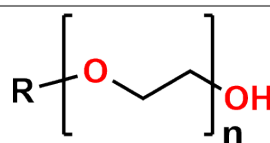
Synonyms : NA

CAS Number : 68439-49-6

CAT Number : CP-1547801

Molecular Formula :  $C_{16}H_{33}(OCH_2CH_2)_nOH$   
+  
 $C_{18}H_{37}(OCH_2CH_2)_nOH$   
(n (average) = 20)

Molecular Weight : NA



**(representative structure)**  
**(mixture of mono-cetostearyl (mixed hexadecyl (R = C<sub>16</sub>H<sub>33</sub>) and octadecyl (R = C<sub>18</sub>H<sub>37</sub>) ethers of mixed polyethylene diols)**  
**n (average) = 20**

#### Analytical Information:

Sr. No.	Test	Result
1)	Description	Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	>98%
5)	H1NMR	Confirm to structure



**Prepared and Reviewed By**



Ms Priyanka Salunkhe  
(Manager QC Analytical)

**Approved By**



Ms Rohini Gagare  
(QA Head)

Note: Product supplied by Chemicea are for R&D purpose only and not for human consumptions.