



## CERTIFICATE OF ANALYSIS

**PRODUCT NAME : TWEEN®-20**  
(POLYOXYETHYLENE (20)SORBITTAN MONOLAURATE)

<b>CAS No</b>	<b>: 9005-64-5</b>	<b>Product code</b>	<b>: 19720</b>
<b>Mol. Formula</b>	<b>: C<sub>58</sub>H<sub>114</sub>O<sub>26</sub></b>	<b>Batch No</b>	<b>: MCR-27293</b>
<b>Mol. WT</b>	<b>: 1227.54</b>	<b>Mfd.</b>	<b>: Dec. 2022</b>
<b>Date of analysis</b>	<b>: 25/12/22</b>	<b>Exp.</b>	<b>: Nov. 2027</b>

S. R	Test	Specification	Observation
1	<b>Description</b>	Yellow or golden yellow or amber or brownish yellow colour viscous liquid .	Yellow colour viscous liquid .
2	<b>Hydroxyl number</b>	97 - 113	98.77
3	<b>Saponification value</b>	40 - 51	42.87
4	<b>Wt. per ml at 20°C</b>	1.105 – 1.107 g	1.105g

**REMARK:** THE PRODUCT COMPLIES WITH THE ABOVE SPECIFICATIONS

**[Tested By]**

**CHEMIST**  
**(Jyoti)**

**[QC Incharge]**

**HEAD-QUALITY ASSUARANCE**  
**(G.G.Salian)**

**Note:** Computer generated image requires no sign.