

**CERTIFICATE OF ANALYSIS**

**UNDECYLENIC ACID BP 2003**

<u>S.No.</u>	<u>Characteristics</u>	<u>Requirements</u>	<u>Result.</u>
01.	Assay	97-102%	99.18%
02.	Description	A white or very Pale yellow crystalline mass or Colorless or Pale yellow liquid	A White crystalline mass
03.	Solubility Test	Practically insoluble in water, freely soluble in alcohol, in ether & in fatty & essential oils.	Passes
04.	Identification Test		
	a) Refractive Index	1.447 – 1.450	1.448
	b) Freezing Point	21-24 <sup>0</sup> C	23.8 <sup>0</sup> C
	c) Melting Point of derivative	66-68 <sup>0</sup> C	66.8 <sup>0</sup> C
	d) Potassium Permanganate Test	Colour of Potassium Permanganate is discharged	Passes
05.	Peroxide Value	Max. 10	5.33
06.	Fixed & Minerals Oils	As per specification	Passes
07.	Water Soluble Acids	Max. 0.1 ml.	0.05 ml.
08.	Sulphated Ash	Max. 0.1%	0.097%
09.	Degree Of Unstauration	8.9-9.4 ml. of 0.0167 M Bromide Bromate	9.1 ml.
10.	Residual Solvent Methanol	Not more than 3000 ppm	Nil

Remarks: The above batch complies with BP 2003 specifications.