


RioCare India Private Limited

 Plot No. R-940, TTC Industrial Area, MIDC Rabale, Navi Mumbai – 400 701, District: Thane,
 Maharashtra, INDIA

FINISHED PRODUCT SPECIFICATION

Dimeticone (DMPS)	Effective Date : 01/04/2022	Reference
Specification No.: SPEC- DMPS-03-07	Supersedes doc. : 05/08/2021	BP 2021

NAME	:	Dimeticone.
DEFINITION	:	α -Trimethylsilyl- ω -methylpoly[oxy(dimethylsilanediyl)]. This poly (dimethylsiloxane) is obtained by hydrolysis and polycondensation of dichlorodimethylsilane and chlorotrimethylsilane. Different grades of dimeticone exist which are distinguished by a number indicating the nominal kinematic viscosity placed after the name. Their degree of polymerization (n=20 to 400) is such that their kinematic viscosities are nominally between $20\text{mm}^2\text{ s}^{-1}$ and $1300\text{mm}^2\text{ s}^{-1}$. Dimeticone with a nominal viscosity of $50\text{mm}^2\text{ s}^{-1}$ or lower are intended for external use only.
APPEARANCE	:	Clear, colourless liquid of various viscosities.
SOLUBILITY	:	Practically insoluble in water, very slightly soluble or practically insoluble in anhydrous ethanol, miscible with ethyl acetate, with methyl ethyl ketone and with toluene.
IDENTIFICATION	:	A. By Viscosity at 25 ^o C. B. By Infrared absorption. C. By Coloration. D. Reaction of Silicates.
ACIDITY	:	NMT 0.15 ml of 0.01M of NaOH.
VISCOSITY (at 25°C) (BROOKFIELD VISCOMETER)	:	Limit: 90% - 110% of labeled amount.
MINERAL OILS	:	Fluorescence at 365nm < 0.1ppm of quinine sulphate R in 0.005M sulphuric acid.
PHENYLATED COMPOUNDS	:	Absorbance between 250 – 270nm < 0.2.
VOLATILE MATTER (150°C FOR 2HRS.)	:	NMT 0.3 %

	Prepared by	Checked by	Reviewed by	Approved by
Name	Vaishali Badekar	Leena Panchal	Meena Vaidya	Kalpakam Venkatesan
Designation	Sr. Officer -QC	Manager - QC	Manager - QA	Director
Signature and Date	 28/03/2022	 29/03/2022	 30/03/2022	 30/03/2022


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RETEST DATE : 4 years from the date of manufacture.

STORAGE CONDITION : Store in air tight containers.
Recommended temperature 25-40°C.

Reason for review:

CCD No.: CC/20-22/054 dt. 23/03/2022 : Regular Updation.

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