


**RioCare India Private Limited**

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

**FINISHED PRODUCT SPECIFICATION**

<b>Simethicone (Activated Dimethicone) (Filix-110)</b>	<b>Effective Date : 01/04/2022</b>	<b>Reference</b>
<b>Specification No.: SPEC- FLX-02-06</b>	<b>Supersedes doc. : 01/10/2021</b>	<b>IP 2021</b>

<b>NAME</b>	:	Simethicone; Activated Polydimethylsiloxane. (CH <sub>3</sub> ) <sub>3</sub> Si[OSi(CH <sub>3</sub> ) <sub>2</sub> ] <sub>n</sub> CH <sub>3</sub> +SiO <sub>2</sub> .
<b>DEFINITION</b>	:	Activated Dimethicone is a mixture of fully methylated linear siloxane polymers containing repeating-(CH <sub>3</sub> ) <sub>2</sub> SiO-units stabilized with trimethylsiloxy ,(CH <sub>3</sub> ) <sub>3</sub> SiO-, end-blocking units and finely divided silicon dioxide. Activated Dimethicone contains not less than 90.0% and not more than 99.0% of Polydimethylsiloxane,[-(CH <sub>3</sub> ) <sub>2</sub> SiO-] <sub>n</sub> and not less than 4.0% and not more than 7.0% of silicon dioxide, SiO <sub>2</sub> .
<b>DESCRIPTION</b>	:	A translucent grey viscous liquid; almost odorless.
<b>SOLUBILITY</b>	:	Miscible with chloroform, with ether, with ethyl acetate, with methyl ethyl ketone and with toluene; very slightly soluble in ethanol, but silicon dioxide remains as a residue in the solvents; practically insoluble in water and in methanol.
<b>IDENTIFICATION</b>	:	A. By Infrared absorption. B. By Coloration. C. Reaction of Silicates.
<b>ACIDITY</b>	:	NMT 3.0 ml of 0.01M of NaOH.
<b>HEAVY METALS</b>	:	NMT 10 ppm.
<b>DEFOAMING ACTIVITY</b>	:	Not more than 15 seconds.
<b>ASSAY</b>		
<b>FOR POLYDIMETHYLSILOXANE</b>	:	90.0 to 99.0 %
<b>FOR SILICON DIOXIDE</b>	:	4.0 to 7.0 %

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


**RioCare India Private Limited**

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

**FINISHED PRODUCT SPECIFICATION**

Simethicone (Activated Dimethicone) (Filix-110)	Effective Date : 01/04/2022	Reference
Specification No.: SPEC- FLX-02-06	Supersedes doc. : 01/10/2021	INH

**VISCOSITY (at 25°C)**
**(BROOKFIELD VISCOMETER)**

: 500 –700 cSt (LV2 Spindle at 30rpm/25°C)  
1000–1300 cSt (LV3 Spindle at 30rpm/25°C)  
2000–2500 cSt (LV3 Spindle at 30rpm/25°C)

**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.

	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