

# Product Specification

## PRODUCT Sorbitan Oleate EP/BP

**DEFINITION** Mixture usually obtained by esterification of 1 mole of sorbitol and its mono- and di-anhydrides per mole of oleic (*cis*-9-octadecenoic) acid. A suitable antioxidant may be added.

**CHARACTERISTICS** *Appearance:* brownish-yellow, viscous liquid.  
*Solubility:* practically insoluble but dispersible in water, soluble in fatty oils producing a hazy solution, miscible with alcohol.  
*Relative density:* about 0.99.

TEST	SPECIFICATION																
Identification	Complies with EP/BP tests																
Acid value	Maximum 8.0 determined on 5.0g																
Hydroxyl value	190 to 210																
Iodine value	62 to 76																
Peroxide value	Maximum 10.0																
Saponification value	145 to 160																
Composition of fatty acids	<table> <tbody> <tr> <td>Myristic acid</td> <td>Maximum 5.0%</td> </tr> <tr> <td>Palmitic acid</td> <td>Maximum 16.0%</td> </tr> <tr> <td>Palmitoleic acid</td> <td>Maximum 8.0%</td> </tr> <tr> <td>Stearic acid</td> <td>Maximum 6.0%</td> </tr> <tr> <td>Oleic acid</td> <td>Maximum 65.0% to 88.0%</td> </tr> <tr> <td>Linoleic acid</td> <td>Maximum 18.0%</td> </tr> <tr> <td>Linolenic acid</td> <td>Maximum 4.0%</td> </tr> <tr> <td>Fatty acids with chain length greater than C<sub>18</sub></td> <td>Maximum 4.0%</td> </tr> </tbody> </table>	Myristic acid	Maximum 5.0%	Palmitic acid	Maximum 16.0%	Palmitoleic acid	Maximum 8.0%	Stearic acid	Maximum 6.0%	Oleic acid	Maximum 65.0% to 88.0%	Linoleic acid	Maximum 18.0%	Linolenic acid	Maximum 4.0%	Fatty acids with chain length greater than C <sub>18</sub>	Maximum 4.0%
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Fatty acids with chain length greater than C <sub>18</sub>	Maximum 4.0%																
Heavy metals	Maximum 10 ppm																
Water	Maximum 1.5% determined on 1,000g																
Total ash	Maximum 0.5% determined on 1.5g																

**STORAGE** Should be stored in an airtight container in a cool, dry place and protected from light.

**PRODUCT NAMED ABOVE COMPLIES WITH THE SPECIFICATION OF THE EP/BP.**

