

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	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 ₁₈ 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.

