**Product description (**Polyoxyethylene 20 sorbitan oleate**)**

**Product chemistry name：**Polyoxyethylene 20 sorbitan oleate

**Product applications:** pharmaceutical excipients, solubilizers, emulsifiers and matrices.

**Product specifications：**

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| **Inspection items** | **Analytical methods** | **Standard provisions** |
| Characters | ChP2015 | This product is a viscous liquid from light yellow to orange yellow; it has a slight odor, a slightly bitter taste, and a warm feeling. This product is easily soluble in water, ethanol, methanol or ethyl acetate and very slightly soluble in mineral oil.  |
| relative density | ChP2015 General clauses 0601 | 1.06～1.09 |
| viscosity（mm2/s） | ChP2015 First Supplement and General Provisions 0633 First Law | 350～550 |
| Acid | ChP2015 General clauses 0713 | Not to pass2.0 |
| saponification number | ChP2015 General clauses 0713 | 45～55 |
| Hydroxyl value | ChP2015 General clauses 0713 | 65～80 |
| Iodine value | ChP2015 General clauses 0713 | 18～24 |
| Peroxide value | ChP2015 General clauses 0713 | Not to pass10 |
| Differential | ChP2015First Supplement | （1）（2）（3）（4）Should comply with the regulations |
| Ph value | ChP2015 General clauses 0631 | pH：5.0～7.5 |
| color | ChP2015 | Compared with the prescribed control solution, it must not be deeper |
| Ethylene glycol withDiglycol alcohol（％） | ChP2015 General clauses 0521 | Ethylene glycol shall not be exceeded0.01 |
| Diethylene glycol is not excessive0.01 |
| Ethylene oxide andDioxane（%） | ChP2015 General clauses 0521 | Ethylene oxide shall not be passed0.0001 |
| Dioxane is not allowed0.001 |
| Freeze test | ChP2015 | Under the prescribed conditions, it shall not be frozen |
| water（%） | ChP2015 General clauses 0832First law1 | Not to pass3.0 |
| Blazing residue (%） | ChP2015 General clauses 0841 | Not to pass0.2 |
| heavy metal | ChP2015 General clauses 0821Second law | Not more than 10 parts per million |
| Arsenic salt (%） | ChP2015 General clauses 0822First law | Not to pass0.0002 |
| Fatty acid composition (%) | ChP2015 General clauses 0521 | Oleic acid must not be less58.0 |
| Myristic acid should not be greater than5.0 |
| Palmitic acid should not be greater than16.0 |
| Palmitic acid shall not be greater than8.0 |
| Stearic acid must not be greater than6.0 |
| Linoleic acid should not be greater than18.0 |
| Linolenic acid shall not be greater than 4.0 |

**Packing specification:** 25KG/drum;

**Storage and transportation conditions:** the series of products are non-toxic, non-flammable, in the transportation process should prevent sun, rainforest, keep the packaging intact. Store in a cool, dry, ventilated place.

**Product shelf life: The shelf life** of the product under the specified storage conditions is 2 years.