

|                   |   |
|-------------------|---|
| Item Number       | PO136   |
| Item              | Polysorbate 60, NF  |
| CAS Number        | 9005-67-8   |
| Molecular Formula |   |
| Molecular Weight  |   |
| MDL Number        |   |
| Synonyms          | Tween* 60 ; Polyoxyethylene (20) Sorbitan Monostearate ; Sorbimacrogol Stearate 300 |

| Test                        | Specification                            |        |
|-----------------------------|--|--------|
|                             | Min                                      | Max    |
| APPEARANCE                  |  |        |
| COMPOSITION OF FATTY ACIDS: |  |        |
| C18:0                       | 40.0                                     | 60.0 % |
| C18:0 + C16:0               | 90.0                                     |        |
| HYDROXYL VALUE              | 81                                       | 96     |
| SAPONIFICATION VALUE        | 45                                       | 55     |
| PEROXIDE VALUE              |  | 10.0   |
| ACID VALUE                  |  | 2.0    |
| WATER DETERMINATION         |  | 3.0 %  |
| DIOXANE                     |  | 10 ppm |
| ETHYLENE OXIDE              |  | 1 ppm  |
| RESIDUE ON IGNITION         |  | 0.25 % |
| ELEMENTAL IMPURITIES        | AS REPORTED                              |        |
| IDENTIFICATION A            | SPECTRUM MATCHES REFERENCE               |        |
| IDENTIFICATION B            | MEETS FATTY ACID COMPOSITION REQUIREMENT |        |
| EXPIRATION DATE             |  |        |
| DATE OF MANUFACTURE         |  |        |
| MONOGRAPH EDITION           |  |        |
| MANUFACTURER NAME:          |  |        |
| RESIDUAL SOLVENTS           | AS REPORTED                              |        |

*Spectrum Chemical Mfg Corp*

Corporate Headquarters: West Coast Facility:  
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