

**neoFroxx GmbH**

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# Specification

|                |                  |
|----------------|------------------|
| <b>Product</b> | <b>Tween® 80</b> |
| <b>Brand</b>   | BioFroxx         |

|                           |                                  |
|---------------------------|----------------------------------|
| Quality                   | for biochemistry                 |
| Product number            | 1716                             |
| Synonym(s)                | Polysorbat 80                    |
| Formula                   | $C_{64}H_{124}O_{27}$            |
| Molecular weight          | 1309,66 g/mol                    |
| CAS number                | 9005-65-7                        |
| Storage                   | below 25°C, protected from light |
| Recommended retest period | 48 Mon                           |

®trademark of ICI America Inc.

| <b>Parameter</b>            | <b>Specification</b>       |
|-----------------------------|----------------------------|
| Appearance                  | yellow, viscous liquid     |
| Identity                    | passes test                |
| Hydroxyl number             | 65 - 80                    |
| Acid number                 | max. 2                     |
| Peroxid number              | max. 5                     |
| Saponification No.          | 45 - 55                    |
| Water (K.F.)                | max. 3.0 %                 |
| Total ash                   | max. 0.25 %                |
| Heavy metals (as Pb)        | max. 0.001 %               |
| Volatile organic impurities | complies                   |
| 1,4-Dioxane                 | max. 0.001 %               |
| CMC (25°C)                  | $5.9 \times 10^{-5}$ mol/l |
| Free ethylene oxide         | max. 0.0001 %              |
| Fatty acid compound         | complies                   |
| Colour to Gardner           | max. 10                    |

Einhausen, 05.07.2019