

## EXOmer L64

<b>CHEMICAL NAME</b>	Ethylene oxide and propylene oxide block copolymer
<b>INCI NAME</b>	Poloxamer 184
<b>CAS NUMBER</b>	9003-11-6
<b>FUNCTION</b>	Emulsifying, cleaning and/or solubilizing ingredient in various cosmetic formulations
<b>TECHNICAL REQUIREMENTS</b>	<p>Appearance at (20÷25)°C..... liquid</p> <p>Colour (Hazen units) at 50°C.....max 50</p> <p>pH of 5% solution ..... 5.5 ÷ 8.0</p> <p>Cloud point (water solution), ° C ..... 59 ÷ 61</p> <p>Hydroxyl value, mg KOH/g ..... 35 ÷ 43</p> <p>Water, %(m/m) .....max 0,3</p>
<b>GENERAL DATA</b>	<p>Molecular weight .....approx. 2900</p> <p>Solubility in water ..... .good</p> <p>Other solvents ..... .low aliphatic alcohols</p> <p>Density at 25°C, g/mL ..... approx. 1.04</p> <p>Viscosity at 20°C, mPa·s ..... approx. 300</p> <p>Solidification point, °C ..... approx. 13</p>
<b>APPLICATION</b>	<p>EXOmer L64 is a non-ionic block copolymer of ethylene oxide and propylene oxide. The product is mainly used as an emulsifying, cleaning and / or solubilizing agent in various cosmetic formulations, such as shampoos, conditioners, shower gels, liquid soaps, washing and care cosmetics for children, hair dyes, antiperspirants, wet wipes and many others. The product has non-irritant effect to the skin and eyes. As a result it is widely used as a mild detergent in face washing, care and make-up removal preparations, such as micellar liquids, face gels, tonics, etc.</p>