

## Technical Datasheet

### Lamidopar 88H

INCI-name: Polyacrylamide and C13-14 Isoparaffin and Laureth-7

Specification		
Appearance*		Milk white viscous liquid
Solid content*	%	45 - 50
Viscosity (25°C)	mPas	1500 - 4500
pH (2% in water)*		5,5 – 8,0
Residual acrylic amide*	ppm	≤ 2
Viscosity (25°C – 2% in water)*	mPas	60000 - 90000
Viscosity (25°C -3% in water with 0,1% NaCl)*	mPas	32000 – 50000
Heavy metals***	mg/kg	Hg<1, As <2, Pb<10

\*tested on each lot, \*\*tested periodical, \*\*\* type inspection

#### Application:

Satcotek Lamidopar 88H is a thickener emulsion, suitable as rheology modifier, emulsifier and stabilizer. Lamidopar 88H is a pre -neutralized polymer in an inverse emulsion. It swells fast allows it to create gels, creams and lotions without further neutralization or heating. Furthermore it can be used as emulsifier for cold emulsification.

Lamidopar 88H emulsifies all kind of emollients, disperse pigments and inorganic sunscreens and shows an excellent thickening performance.

Lamidopar 88H forms gels with polar solvents, e.g. hydro alcoholic gels. It can be used to thicken hydrogen peroxide solutions at low pH values. In contact with colorants at pH 10 it stabilizes the viscosity as well.

Lamidopar 88H gels are pseudo plastic and show shear thinning behavior. The gels have a very good stability over a wide temperature range.

Lamidopar 88H gels withstand high shear and high temperature. The addition in cream formulations can be done at the high temperature stage. It can be added as well to the oil or to the water phase.

For hydro alcoholic gels, blend first water and Lamidopar 88H aqua and add the solvent into the gelled water phase.

#### Formulation guideline:

Dosage: As thickener and stabilizer 0,2 – 1%, for gel creams and gels 1 – 5%.