

# SOFTILT® AT-L

## TEA-LAUROYL METHYLAMINOPROPIONATE

- “SOFTILT® AT-L ” is an amino acid based surfactant for a mild image.  
It can be used as a shampoo base having fresh feeling of the scalp and high hair conditioning effect at the rinse time

### 1 Features

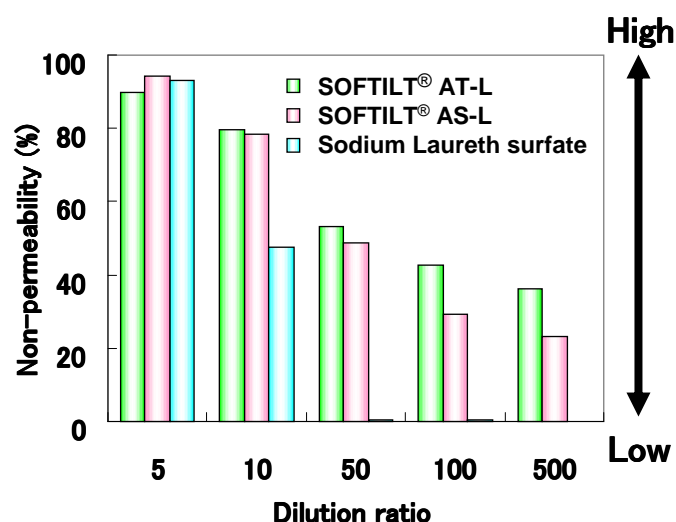
- **Amino acid based surfactant made from N-methyl-β-alanine**  
It's an amino acid based surfactant for a mild image. And it has the structure of β-alanine that is the amino acid exists naturally.
- **Viscosity improving ability in mild acidity**  
Remarkable viscosity improving behavior is shown by combining with the ampholytic surfactant in acidulous.
- **Good complex formational ability**  
The effect of hair conditioning at the rinse time is demonstrated by the complex formative ability with cationic polymer.

### 2 Basic properties

INCI NAME	TEA-LAUROYL METHYLAMINOPROPIONATE	
SPECIFICATION	Appearance : Colorless – light yellow liquid	Odor : Slight specific odor
	Concentration : 30%	pH (3% aq) : 6.0~8.0
	Color (APHA) : 100 max.	Sodium chloride (%) : 0.2 max.

### 3 Functionality

#### Complex formation with cationic polymer



<Testing condition>

Formulation :

Anionic surfactant (Concentration : 10wt%)  
NISSAN ANON BDF-R (Concentration : 5wt%)  
Polymer JR-30M (0.5wt%)

Anionic surfactant :

SOFTILT® AT-L  
SOFTILT® AS-L  
PERSOFT EF (SODIUM LAURETH SULFATE)

pH : 6.0

Temperature : 25°C

Instrument : UV·Vis absorptiometer

Operation : The mixed solution was diluted with the ion exchange water (to 5 ~ 100 times), and the permeability of 500 nm was measured.

\* Non-permeability (%) = 100 - permeability (%)



The complex particle with the cationic polymer acts as a lubricant and shows a high conditioning effect at the rinse time .

This base excels sodium salt type in the conditioning effect.