SOFTILT® AT-L

TEA-LAUROYL METHYLAMINOPROPIONATE

NOF CORPORATION
Oleo & Speciality Chemicals Div.

- "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

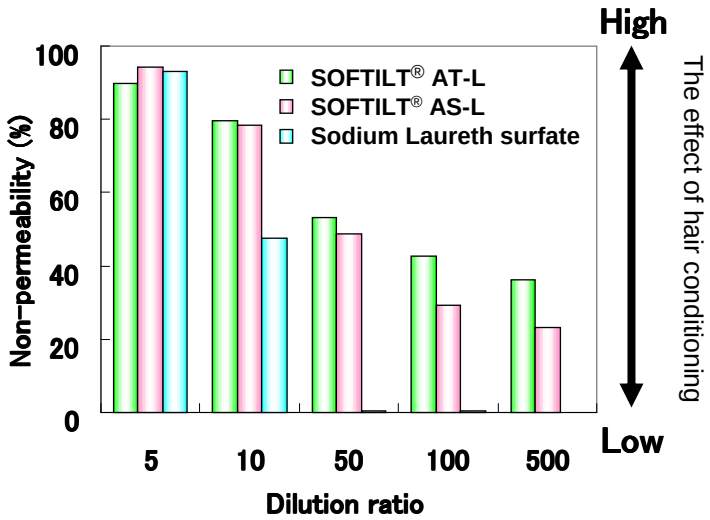
- **Amino acid based surfactant made from N-methyl-β-alanine**
  It's an amino acid based surfactant for a mild image. And it has the structure of β-alanine that is the amino acid exists naturally.
- **Viscosity improving ability in mild acidity**
  Remarkable viscosity improving behavior is shown by 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℃
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.

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