

## BAR SOAP <Transparent> TPS-A62-301-9

This is an amino acid based transparent soap bar.  
It leaves skin feeling clean, smooth and moisturized.

	Trade name	INCI Name	wt %	Function
A	AMISOFT LS-11	Sodium lauroyl glutamate	11.6	Mild surfactant
	AMISOFT MS-11	Sodium myristoyl glutamate	3.4	Mild surfactant
	SOLUTION 100% *1	Alcohol	5.0	Solvent
	GLYCERIN 99.5% USP GRADE *2	Glycerin	10.0	Humectant
	SORBITOL 70% *3	Sorbitol	5.0	Humectant
B	AMISOFT CT-12S (30%)	TEA-cocoyl glutamate	53.0	Mild surfactant
	AMILITE GCK-12H (30%)	Potassium cocoyl glycinate and Potassium cocoate	13.0	Mild surfactant
C	TRIETHANOLAMINE 99% *4	Triethanolamine	5.9	Neutralizer
		Sodium hydroxide	1.5	Neutralizer
	DEIONISED WATER	Water	0.6	
Total			100.0	

\*1 SASOL, \*2 PACIFIC OLEOCHEMICALS , \*3 TAIWAN FRUCTOSE,  
\*4 OPTIMAL CHEMICALS

### <PROCEDURE>

1. Mix Part A at room temperature with gentle stirring.
2. Add Part B to Part A, dissolve them with heating at 70-80°C.
3. Add Part C gradually to Part A+B, dissolve with stirring.
4. Stop stirring and keep heating until bubbles disappear.
5. Pour into molds and cool down.

### <PHYSICAL PROPERTIES and STABILITY>

Appearance: Hard and clear

pH: 7.5 (15% aq)

Viscosity: -

Stability: 5°C, 25°C, 45°C, 50 °C, Cycle (-5⇄40°C) for 3 months

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