

Technical Date Sheet

KS82 (Undecylenoyl Glycine)

PRODUCT NAME: Undecylenoyl Glycine

INCI NAME: UNDECYLENOYL GLYCINE

CAS No.: 54301-26-7

MOLECULAR FORMULA: C₁₃H₂₃NO₃

SPECIFICATION

Item	Index
Appearance	White or almost white powder
Solubility	Insoluble in water
Melting point	101~106℃
Acid Value	220~250mg KOH/g
Loss on drying	≤0.5%
Ignition residue	≤0.1%
Heavy metals	≤0.001%
Content	≥97.0%
Reference addition	0.2-2.0%
Validity	3 years

Undecylenoyl Glycine is completely soluble in water at 90℃ .

Undecylenoyl Glycine soluble in ethanol and propylene glycol; The solubility in diethylene glycol is over than 5%.

Undecylenoyl Glycine is soluble in aqueous solutions with pH over than 7 and can accelerate the solution rate under heating.

Stability and security:

This product has good stability and hasn't toxic, side-effect and stimulation .

Use:It can be used in many advanced cosmetics to improve its effect, such as Anti-Acne Cream and anti-aging creams and Anti-dandruff products .

Package:

Packing in carton, inner sealed with 1kg*20 aluminium foil bag.

Packing in paper drum, inner sealed with 1kg*20 aluminium foil bag or 20kg plastic bag.

Reference formula 1

Azelaic Acid Cream (Reference)

	Ingredients(INCI Name,Trade Name)	Wt%
Phase A	AES	13.00 3.00 1.50
	APG 2000	3.40 1.50 0.50
	100 C	0.05 1.00 0.60
	K 12	
	DM 125P	
	Cetearyl alcohol	
	EDTA 2Na	
	11 C	
	TAB-2V	
	Phase B	Guar gum C- 14S
Deionized Water		1.50 1.50
PK 45		
DM 3112		
Phase C	DM 6119E	
	Deionized Water	60.85 0.60 1.00
	BL9019	1.80
	PANAX GINSENG	
	matt	
Phase D	Fragrance	0.15
	Preservative	some

Procedure

Heat phases A) and B) separately to 80-85 °C.

Add phase B) to phase A), then homogenize.

cool to 60 °C, add Phase C) to Phase AB), homogenize and cool to 40 °C.

At last Add D to Phase ABC) and stir evenly until there is no granule.