



Good Quality Comes
From Qualified Materials

Spec Chem Industry Inc.

Shilin Industrial Park, No.10 Wanshou Road,
Jiangbei New Area, Nanjing, PR. China
+86 25 84523390 84523391
sc@specchemind.com
www.specchemind.com

Repair Moisture Gel

(0.2% SpecPed® GCu21P)

Features:

Elegant light blue, refreshing translucent gel, high content of blue copper peptide brings strong repair and stress, effectively anti-wrinkle and anti-aging.

Phase	Product Name	INCI Name	w/w%	Function
A	Hydroxyethyl Acrylate / Sodium Acryloyldimethyl Taurate Copolymer		1.2	Stabilizer
	Dicaprylyl Carbonate		2.0	Emollient
	SpecKare® 3GF	Glyceryl Linoleate & Glyceryl Oleate & Glyceryl Linolenate	1.0	Emollient
	Ethylhexyl Ethylhexanoate		2.0	Emollient
	C26-28 Alkyl Dimethicone		0.2	Stabilizer
	SpecKare® VEA	Tocopheryl Acetate	0.2	Antioxidant
B	Glycerin		8.0	Humectant
	SpecThem® XTG200	Xanthan Gum	0.18	Stabilizer
	SpecThem® SCB21	Acrylates/C10-30 Alkyl Acrylate Crosspolymer	0.15	Stabilizer
	SpecKare® ALLA	Allantoin	0.1	Conditioning Agent
	Glyceryl Polyacrylate		6.0	Stabilizer
	Water		To 100	
	SpecKare® HAL(1%Liquid)	Sodium Hyaluronate	5.0	Humectant
	SpecKare® NMF50	Betaine	2.0	Humectant
C	Sodium Hydroxide (1%Liquid)		pH to 6-6.5	pH Controlling Agent
D	SpecKare® NK2	Dipotassium Glycyrrhizinate	0.2	Anti-allergic Agent
	ParbFree® PCG	Caprylyl Glycol & Phenoxyethanol	0.8	Preservative
	Fragrance		0.1	
	SpecPed® GCu21P	Copper Tripeptide-1	0.2	Anti-wrinkle Agent

Procedure:

1. Disperse SCB21 in hot water(about 85°C). Mix at 85°C until homogeneous;
2. Disperse XTG200 in EG-1, mix the rest of cool water until homogeneous, add the rest of B group and mix at 85°C;
3. Mix A part and heat to 85°C; Mix A and B, homogenize for 5min;
4. Cool to 60°C, add C, cool to 45°C, add D, cool to room temperature.

Properties:

Appearance	Light blue gel
pH	6.13 (1:10 aqueous solution)
Viscosity	19480 (25°C, 4#, 30 rpm, mpa·s)
Stability	45°C for a month; -18°C for a month