



TESTING DAY

SHINGMULNARA - WATERY SUN GEL
(SPF 50+, PA++++)
from Korea

LABSPHERE

Quickly measures transmittance in the ultraviolet wavelength range from 250 to 400 nm and complies with industry standards for in vitro analysis of sunscreens.



Testing DAY

SHINGMULNARA – WATERY SUN GEL (SPF 50+, PA++++)

KOREA

INCI

Water, Tripropylene glycol Cyclopentasiloxane, Dibutyl Adipate, Diisopropyl Adipate, Ethylhexyl Triazone, Bis-Ethylhexyloxyphenol Methoxyphenyl Triazine, Octocrylene, Niacinamide, Polymethylsilsesquioxane, Terephthalylidene Dicamphor Sulfonic Acid, Cetearyl Alcohol, Tromethamine, 1,2-Hexanediol, Aloe Barbadensis Leaf Extract, Sodium Hyaluronate, Dimethicone, Pentylene Glycol, C13-15 Alkane, Hydroxyethyl Urea, C13-16 Isoalkane, Sodium Polyacryloyldimethyl Taurate, Dimethicone/Vinyl Dimethicone Crosspolymer, Cetearyl Oliviate, Poly C10-30 Alkyl Acrylate, Sorbitan Oliviate, Sodium Stearoyl Glutamate, Butylene Glycol, Polyglyceryl-10 Myristate, Dimethiconol, Glyceryl Glucoside, Methylpropanediol, Ethylhexylglycerin, Polyacrylate Crosspolymer-6, Polyether-1, Adenosine, Glycerin, Arginine, Tocopherol, Carbomer, Fragrance

NO COMMENTS

But contains illegal Hydrocortisones

at 0.47 % of this formula

Testing Equipments

PARAMETERS

SPF ISO 24443:2

Skin Diffusion Factor

Hydrocortisone content

Free Radical Stability Test

Photostability

TESTS METHODS

Labsphere ISO 24443:2021

ZetaSizer® Nano-ZS

HPLC Prominence LC230 3D Plus
X-Pulse RMN spectrometer

Atlas Lamp Suntest solar simulator
Konica Minolta CM-600d

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ISO 24443:2021

SPF in vitro	23
UVA-PF Mean	7,47
Ratio (SPF/UVA-PF)	3,08
Critical wavelength	372,4
UVA/UVB Ratio	0,614
Broad Spectrum Protection	Fail
SPF for UVA Pass	21

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Photostability

dE = 0,64 (product photostable)

Free radical Stability

dE = 0,17

Hydrocortisone 0,47 g/L

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Zeta Potential

pH 5,3	1,62 mV
pH 6,0	-4,38 mV
pH 7,38	-12,2 mV

THINK SKIN SCIENCE IS COSMETICS

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