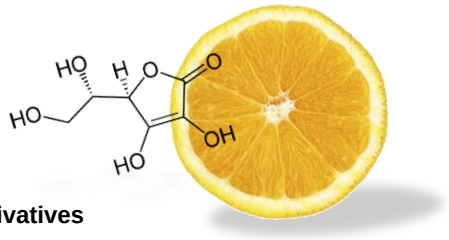
CMD CosminC

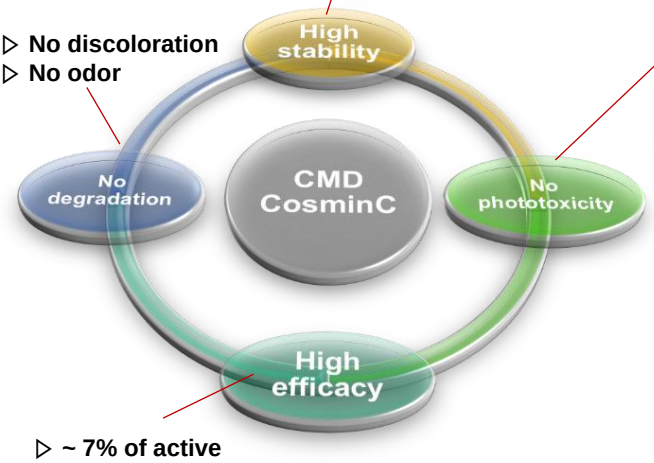
Stabilized Vitamin C (L-Ascorbic acid) by encapsulation

Features

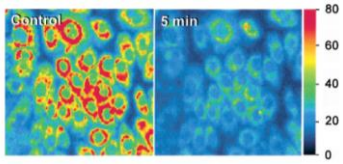


▷ Stable against water, air, sunlight, heat

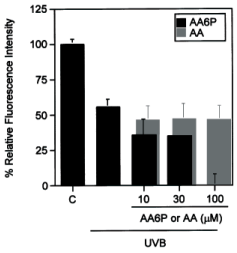
▷ No discoloration
▷ No odor



▷ Phototoxicity of a Vitamin C derivatives



▷ The loss of fluorescence intensity demonstrates an increase in Lipid Peroxidation (LPO).



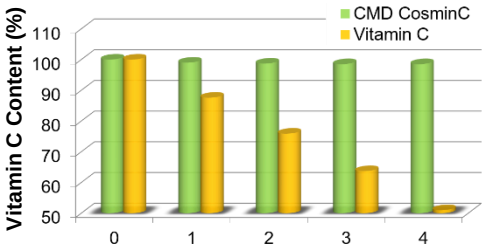
▷ Vitamin C derivative promotes UVB-induced LPO. (Vitamin C derivative has photo toxicity.)
▷ Ascorbic acid did not affect LPO levels.
(Pure Vitamin C doesn't have photo toxicity.)

(Source: Radiation and Environmental Health, World Health Organization, Geneva, Switzerland, 2002)

▷ ~ 7% of active
▷ High efficiency compared to Vitamin C derivatives

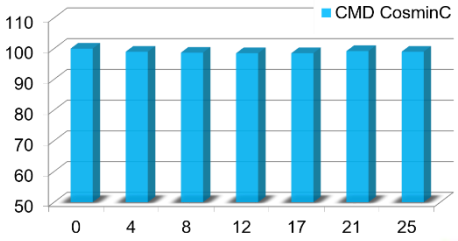
Stability

CMD CosminC vs Vitamin C



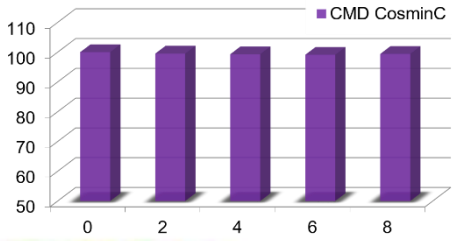
Time (week)
[@50 °C / Active 3%]

CMD CosminC at 50℃ for 6 months

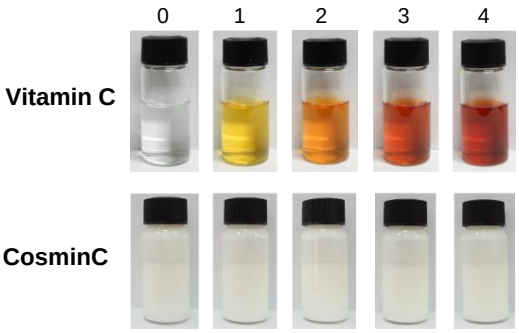


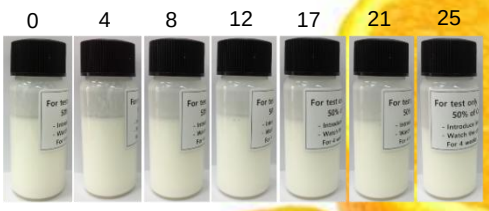
Time (week)
[@50 °C / Active 3.5%]

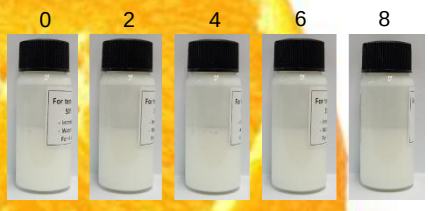
CMD CosminC under sunlight



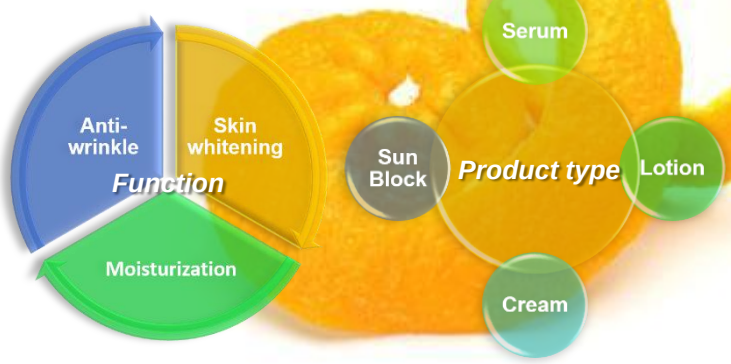
Time (week)
[under sunlight / Active 3.5%]







Applications



Formulation Instruction

Applicable pH	3 ~ 7
Recommended dosage	5 ~ 50% of CMD CosminC
Recommended formulation	Cream, Lotion, Serum, Sun block

※ *Guide formulation will be provided upon customer's request*

CosmoDec

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