

Aroma Granule AQ Ink NF Grade

Overview

What is Aroma Granule AQ Ink NF Grade

Aroma Granule AQ Ink NF Grade is the non-formaldehyde type aqueous dispersion of the micro-encapsulated perfume. Applying it onto various substrate by screen printing, it can easily give its durable fragrance effects. Besides, Aroma Granule AQ Ink NF Grade can be added into laundry-softener and Hair-care products as well.

Aroma Granule AQ Ink NF Grade can release its fragrance when the microcapsules are broken by rubbing or kneading. In addition, the microcapsules fixed onto clothing can remain stable for several months or even years unless the capsules are destroyed.

Characteristics

Composition	Microencapsulated perfume / Water / Thickener
Appearance	Milky white to pale yellow paste
Average particle size	About 4.0 μ m
p H	6-7
Density	1.02 \pm 0.05 g/ cm ³
Viscosity	2,000 \pm 1,500 mPa \cdot s (at 25 $^{\circ}$ C) (BH type viscometer)
Ionicity	Slight anion
Active ingredient	40.0 \pm 5.0% (capsule compound), 10-30%(perfume content)

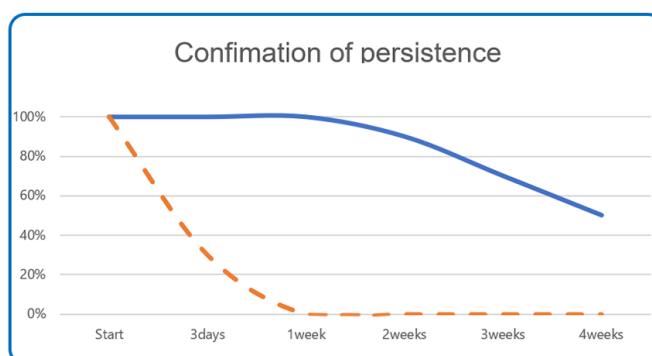
Durability Confirmation

Non-capsule products : Effect disappears within 1 week
 Capsule products (this product) : **Last more than 1 week(*)**

*Please note that the results of this testing are based on our own internal lab trial.

*We created test specimens and kept them statically in a well-ventilated area.

*When evaluating fragrance function, the specimen was rubbed before performing our assessments.



Available fragrances

- Aroma Granule AQ Ink NF Grade
Lemon, Rose, Soft Floral, Green Floral



Recommended formula

● For Printing

Binder 0523E	89
Aroma Granule AQ Ink NF Grade	10
<u>Fixer FE</u>	<u>1</u>
Total	100

100-mesh 1-stroke printing on fabric
⇒ Dry at 80° C for 10 minutes

● Spray

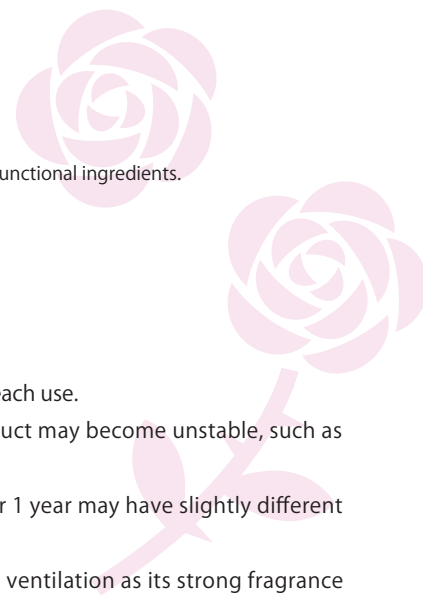
water	90
Functional Capsule Ingredients (*)	X
<u>Aroma Granule AQ Ink NF Grade</u>	<u>10</u>
Total	100+X

*According to your preference, it is possible to add our capsule perfume, cooling sensation, and functional ingredients.

● For Padding

water	83
Matsumin sol MR50	~10
Dyestone PrintgenXL	2
<u>Aroma Granule AQ Ink NF Grade</u>	<u>5</u>
Total	100

Padding to fabric with a draw rate of 100%.
⇒ Dry at 80° C for 10 minutes



Notes

- (1) Please, store this product in a cool, dark place below 40°C; however, avoid freezing it.
- (2) The product may precipitate or separate during long-term storage, so stir well before each use.
- (3) Depending on the ingredients used, there is a possibility that the state of this product may become unstable, such as gelling or separating, so please conduct sufficient tests in advance.
- (4) The shelf-life of the product is 1 year after the production date. The ink stored over 1 year may have slightly different fragrance from its initial fragrance.
- (5) During the processing with Aroma Granule AQ NF Grade, please arrange sufficient ventilation as its strong fragrance should come out due to volatilization of the fragrance.



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