

가 (16)

2.4.2

1)

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가

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50~80%

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가

15~30%,

70~85%

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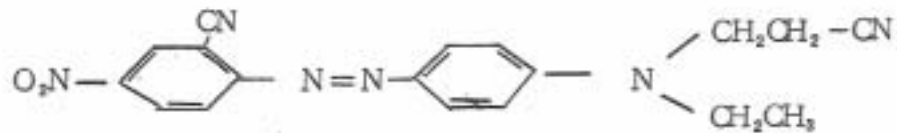
가

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가

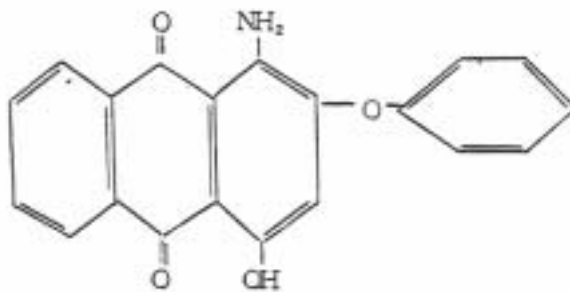
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C. I. Disperse Red 73(Azo)

(Lumacron Rubine GL, Artisil Rubine GFL, Dianix Rubine FG-SE, Sumikaron Rubine SE-GL)



C. I. Disperse Red 60

(Anthraquinone)

(Lumacron Red FB, Dispersol Red B-2B, Palanil Red BFY, Sumikaron Red E-FBL)

- SO₃Na - COONa 가 가

E, SE, S SF, FS 가 .

E 가

, SE

가 ,

. S

가 .

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住友化學	Lumacel	Lumacron
日本化藥	-	Sumikaron
三菱化成	Kayalon Fast	Kayalon Polyester
三井東壓染料	Diace lliton	Daianix
I. C. I	Miketon Fast	Miketon Polyester
Sandoz	Dispersol A	Dispersol B, C, D
Ciba-Geigy	Artisil	Foron
	Cibacet	Terasil

가 .

10.8 ,

2)

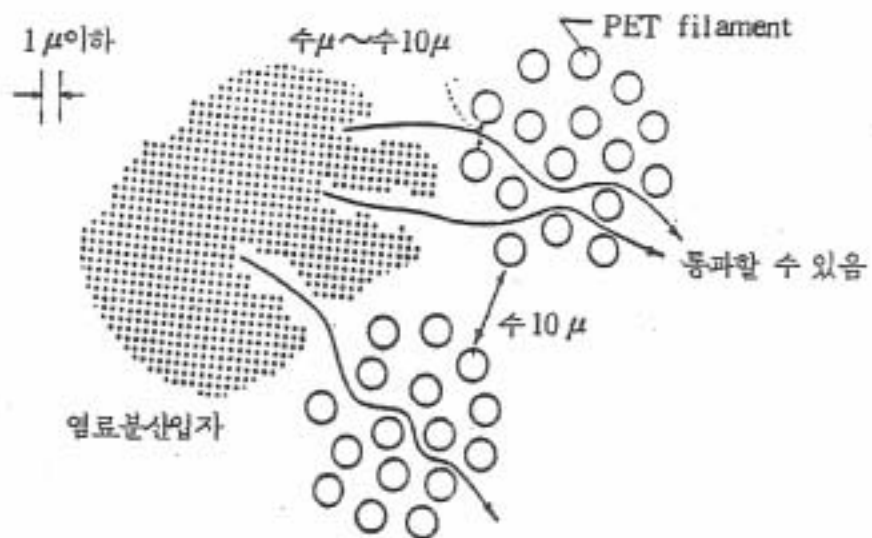
Thermosol padding, migration sodium alginate. Sodium alginate padding migration

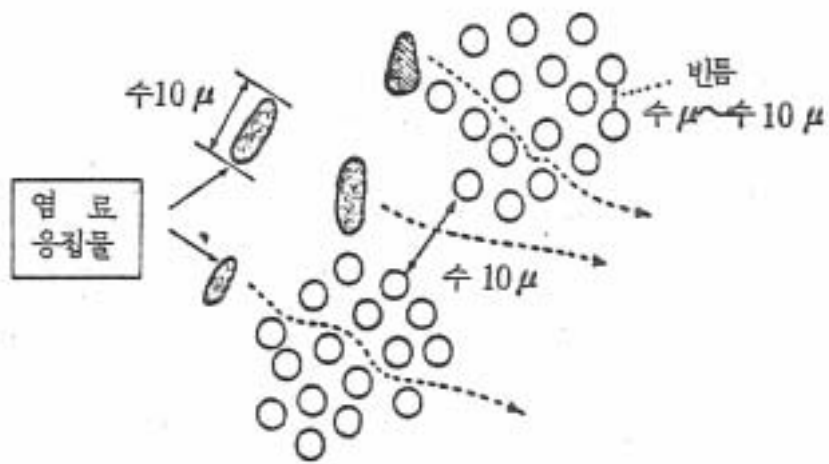
가 가
가 가
CMC PVA, PVA가 가
speck 가
PVA가

HT-steaming 가 가, semi-emulsion

가 가,

. , 가
 가 .
 Sodium β -naphthalene sulfonate formaline
 , sodium lignine-sulfonate(sulfonation 가)
 가 .
 , 130
 , 가
 , 가
 , traing
 < 19> < 20> .

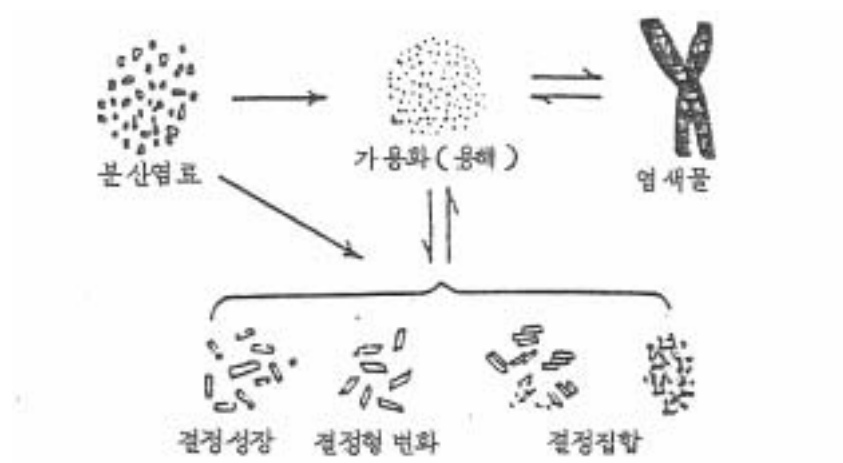




< 20>

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가



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가

가

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, 가 30~40 μ

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가

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가

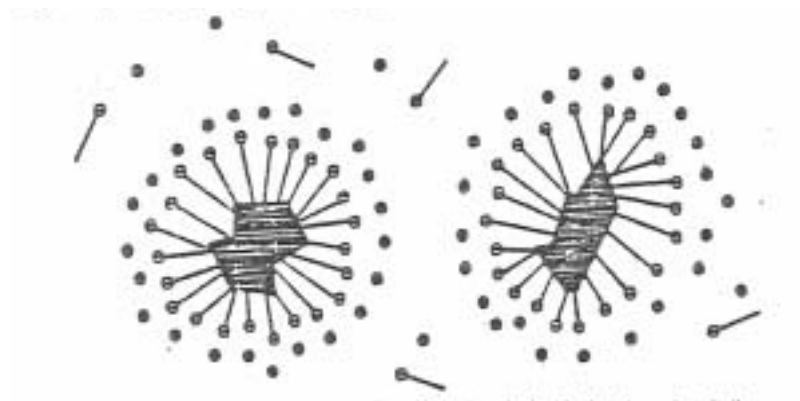
가

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micell 가

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cloud point

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cloud point가

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가 가 .

130 .

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가

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가 .

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가 , complex

가 , ,

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가

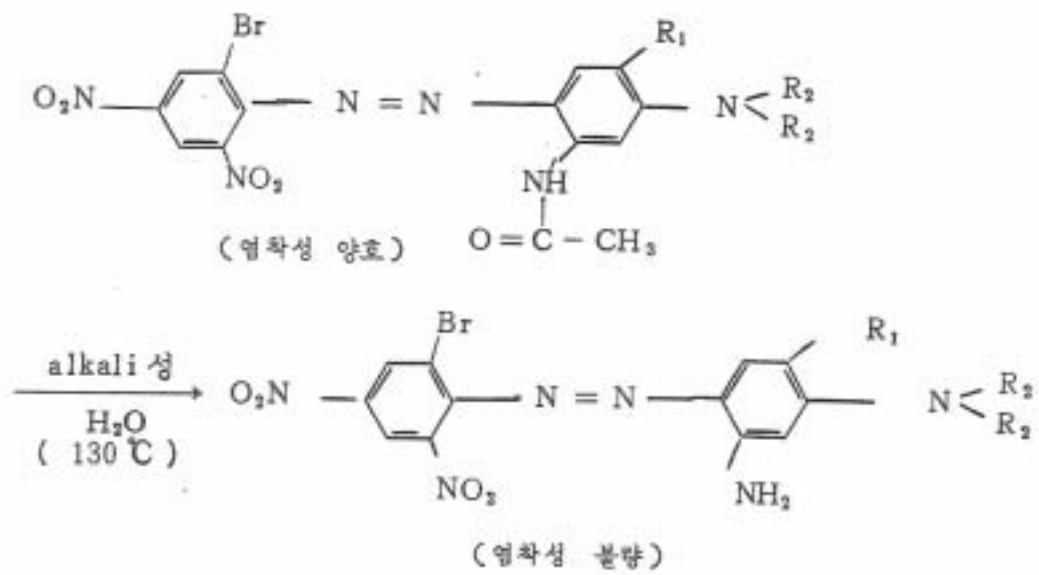
가 .

3)

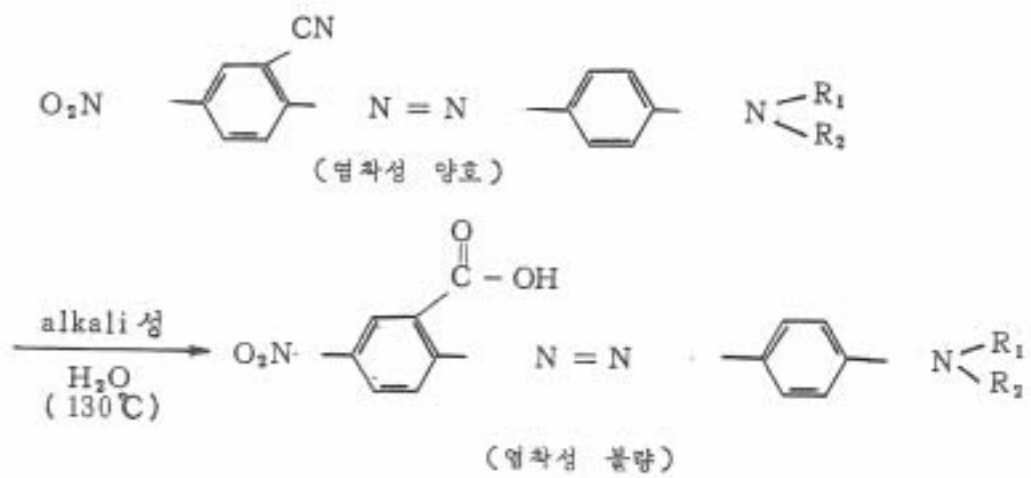
pH

pH

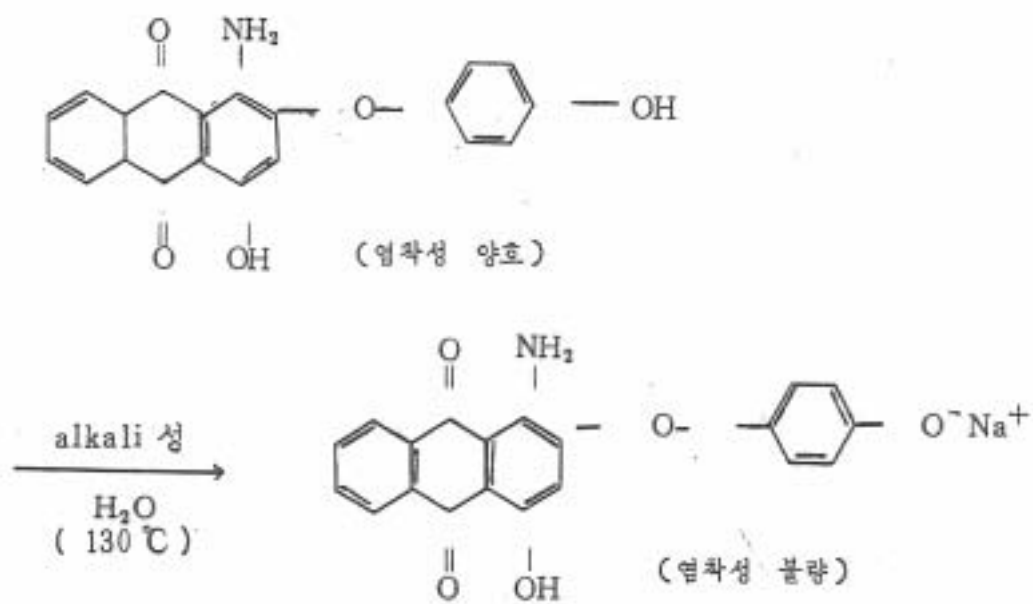
가



(Lumacron Navy S2GL, C. I. Disperse blue 79)



(Lumacron Rubine GL, C. I> Disperse Red 73)

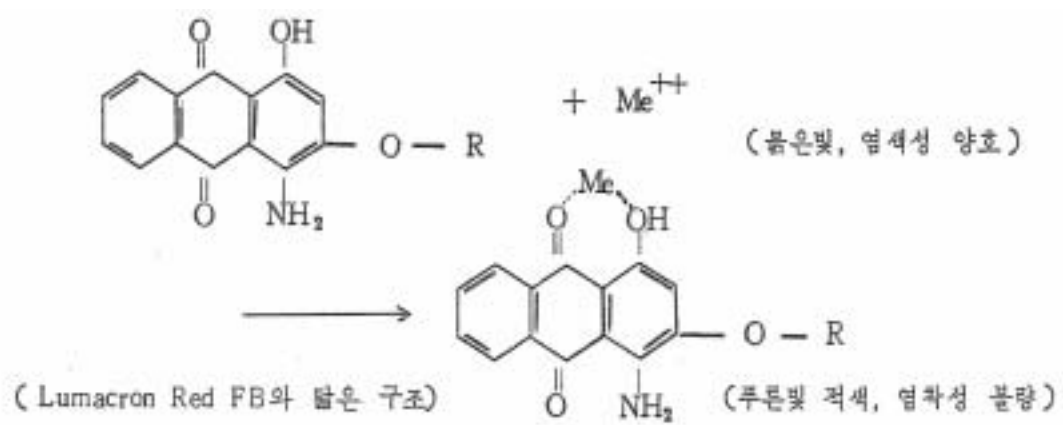


(Lumacron Red FB)

가 pH

가

Complex



가

complex , complex 가

가

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complex

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complex

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. Fe^{++} , Fe^{+++} , Cu^{++} 가 Mg^{++} , Ca^{++} .

가 , .

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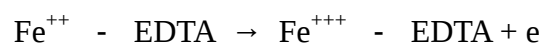
,

가 .

Fe^{++} Fe^{+++}

,

, Fe^{++}



가 ,

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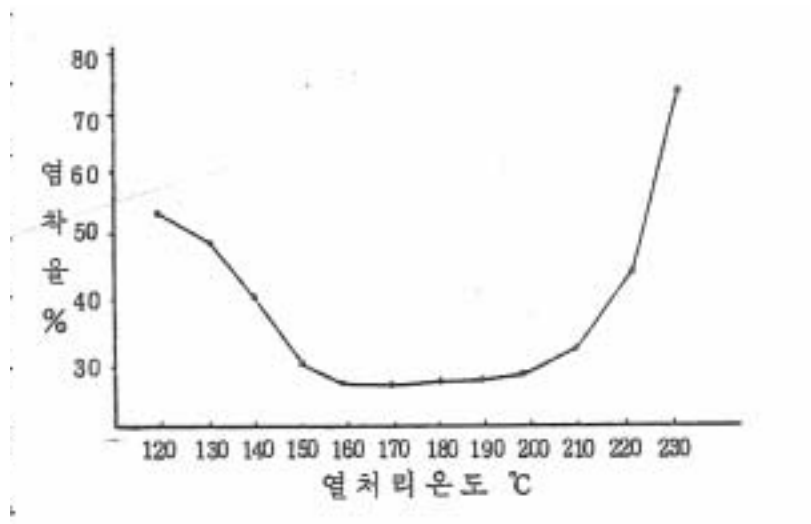
4)

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가
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Marrin 가 .
< 23> .



< 23>
2% Dispersol Fast Blue 5G, 100 , 90
< 23> 가

200

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200

가

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가

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가

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