

## บทที่ 2

### วัสดุ อุปกรณ์ และสารเคมี

#### วัสดุ อุปกรณ์

Analytical Balance, SBC31, SCALTEC, Germany

Auto pipette & Pipette Tips 1 ml.

Brookfield Viscometers, R/S – CPS, R/S Rheometer, USA

Centrifuge

Differential Scanning Calorimeter, 7 series / UNIX DSC7, Perkin Elmer, USA

Dissolution test instrument, SR8PLUS, Hanson virtual Instruments, USA

Friabilator , PTE 20E, PHARMA TEST, Germany

Hardness tester PTB 311, PHARMA TEST, Germany

Hot Air Oven, Type UL 40, Memmert 854 Schwabach, Germany

Hydraulic press, Model: C, Carver laboratory pressure, USA

Hot plate

Flat-faced punch and die set (diameter 10 mm)

Lipstick's mold

Micrometer, NSK, Japan

Mortar and pestle

pH meter, Model Ex-20, HORIBA, Ltd, Kyoto, JAPAN

Sieve Mesh 20, 35, 40, 65, 70

Sohxlet Apparatus

TLC tank

Timer, QT9017-A, CITIZEN, Switzerland

Top load Balance, Type PE 300, Mettler Instrument AG, Zurich, Switzerland

UV Viewer

Volumetric flask 10, 25, 50, 100 ml.

**สารเคมี**

Acetone  
Activated Charcoal  
Banana wax, extracted  
Bees wax  
Butylated hydroxytoluene  
Carbopol 940  
Carbopol 941  
Carnauba wax  
Cetareth-25  
Cetyl alcohol  
Cetostearyl alcohol  
Cholesterol  
Coconut Oil  
Diclofenac sodium  
Diethyl ether  
Dimethicone  
Ethanol Absolute, AnalaR<sup>®</sup>, BDH, VWR International Ltd., Poole, England  
Isopropyl myristate  
Glyceryl monostearate  
Hexane, 99%, HPLC Grade, Labscan  
Magnesium stearate  
Menthol  
Methyl paraben  
Methyl salicylate  
Mineral oil  
Ozokerite wax  
Petrolatum  
Polyethylene glycol 40 stearate  
Propylene glycol  
Propyl paraben  
Prosolv<sup>®</sup> pH101

Rice Bran Oil

Silicone oil

Spermaceti

Span 20

Span 60

Span 80

Sodium borate

Sodium lauryl sulfate

Sorbitol 70 % Solution

Stearyl alcohol

Stearic acid

Triethanolamine

Turpentine oil

Tween 20

Tween 80

Vitamin E

Wool fat

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