

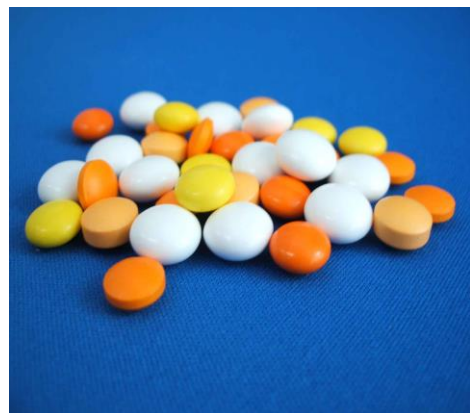
# Gloss agent **Polishing wax-105**

**Polishing wax-105** is a fine powdered **Carnauba wax** compliant with **JP (Japanese Pharmacopoeia) "Carnauba Wax"**.

It has the highest melting point of all herbal waxes and forms a glossy layer. It is especially useful for polishing the surface of tablets.

## 《Features》

- ◆ Produces a glossy surface on sugar-coated or film-coated tablets.
- ◆ Makes tablets smooth and improves handling.
- ◆ Useful as a wax-matrix agent



## 《Characteristics》

Mean diameter	Repose angle	Bulk density	
		Loose	Tap
14 μm	45 °	0.25 g/mL	0.51 g/mL

\*Representative value only.

《Examples of polishing process methods listed below. 》

### Process 1

Stop the air inlet and air exhaust air on the coating equipment after coating with film or sugar on tablets.

Sprinkle Polishing wax-105 on the tablets while rotating the pan (0.01% per tablet wt.). Increase speed of rotation of the pan gradually so tablets keep their position on the pan and maintain the same speed for a few minutes.

Process 2

Repeat process 1 until the surface of the tablets become shiny (normally 3~4 times).

Process 3

Lastly, resume inlet and exhaust air for a couple of minutes to remove excess wax powder on the surface of the tablets.

Example of Operating Conditions

Polishing conditions for sugar coated tablets by automated film & sugar coating equipment <AQUA COATER®>.

《Equipment》 AQUA COATER® AQC-100

《Tablet》 sugar-coated tablets 70kg (400mg/tablet)

《Spray volume of Polishing wax-105》 15g (about 0.02% per sugar-coated tablet wt.)

No. of times of polishing	Spray volume of Polishing wax-105	Pan rotation speed	Polishing time	Powder removal time
1	5g	4→10rpm	6.5min	-----
2	5g	10→14rpm	8.5min	-----
3	5g	14→18rpm	8.5min	-----
Excess powder remove	-----	18rpm	-----	5min



AQUA COATER® AQC-100