

Japanese Pharmacopoeia

Dibasic Calcium Phosphate Hydrate JP

Dibasic Calcium Phosphate Hydrate JP is used for excipient for pharmaceutical tablet. Due to the characteristics of neutral pH and low moisture absorption, it hardly affects to interaction nor deactivation of main drug. Granules grade "FF-100" is produced without using binder. It is excellent for flowability and binding property, which is suitable for miniaturization of tablet. Also, it is used for raw material of Calcium supplement.

【Grade】 FF-100

【Specification】

Items	Japanese Pharmacopoeia	Typical Analysis
		FF-100
Description	JP	conforms
Identification	JP	conforms
Assay (CaPO ₄ ·2H ₂ O) (%)	98.0 ~ 105.0	99.7
Acid insoluble substances (%)	0.2 max.	0.02
Chloride (%)	0.25 max.	passes test
Sulfate (%)	0.48 max.	passes test
Carbonate	no effervescence	passes test
Heavy Metals (ppm)	31 max.	passes test
Barium	no turbidity	passes test
Arsenic (ppm)	2 max.	passes test
Loss on ignition (%)	24.5 - 26.5	26.0

【Properties】

Items	Grades	Typical Analysis
		FF-100
Bulk volume	(mL/g)	1.5
Repose Angle	(°)	37
Specific Surface Area (BET)	(m ² /g)	1.3
Moisture Absorption	(mL/100g)	68
Oil Absorption	(mL/100g)	65
Particle Size	150μm on (%)	58.2
	106μm pass (%)	32.3