

## Japanese Pharmacopoeia

# Anhydrous Dibasic Calcium Phosphate JP

Anhydrous Dibasic Calcium Phosphate JP is used for excipient for various types of drugs. Due to the characteristics of neutral pH and low moisture absorption, it hardly affects to deactivation of main drug. It is excellent for the compression formability and contributes to miniaturization of tablet. Granules grade “GS” is excellent for flowability and are used for excipient for direct compression.

### 【Grades】 GS

### 【Specification】

Items	Japanese Pharmacopoeia	Typical Analysis
		GS
Description	JP	conforms
Identification	JP	conforms
Assay (CaHPO <sub>4</sub> ) (%)	97.5 - 102.5	98.6
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 (%)	6.6 - 8.7	7.1

### 【Properties】

Items	Grades	Typical Analysis
		GS
Bulk Volume	(mL/g)	1.2
Repose Angle	(°)	38
Specific Surface Area (BET)	(m <sup>2</sup> /g)	0.6
Moisture Absorption	(mL/100g)	65
Oil Absorption	(mL/100g)	65
Particle Size	106μm on (%)	1.5
(Ro-Tap method)	45μm pass (%)	52.0