

## British Pharmacopoeia

## Hydrotalcite BP

Hydrotalcite BP is the ideal antacid with high neutralization ability, fast effect and maintaining an ideal range of pH (3.5 – 5.0) in the stomach for many hours as well as excellent effect for gastric mucosal protection. Hydrotalcite BP shows a strong anti-peptic effect by rapid elevation of pH and precipitation of pepsin. It is also excellent as an excipient for the compression formability and can be used for binder for direct compression.

【Grade】 **ALCAMAC™ B, Free Flowing**

### 【Specification】

Item	British Pharmacopoeia	Typical Analysis	
		ALCAMAC™ B	Free Flowing
Characteristics	BP	conforms	conforms
Identification	BP	conforms	conforms
Alkalinity	pH8.0 – 10.0	8.9	8.7
Neutralizing capacity (mL)	260 min.	288	281
Arsenic (ppm)	3 max.	passes test	passes test
Sodium (%)	0.1 max.	0.01	0.01
Chloride (%)	0.3 max.	passes test	passes test
Sulfate (%)	0.7 max.	passes test	passes test
Loss on ignition (%)	40.0 - 50.0	44.0	45.3
Assay for Al <sub>2</sub> O <sub>3</sub> (%)	15.3 - 18.7	16.3	15.8
Assay for MgO (%)	36.0 - 44.0	38.6	38.0
Ratio of Al <sub>2</sub> O <sub>3</sub> / MgO	0.40 - 0.45	0.42	0.42

### 【Properties】

Item	Grade	Typical Analysis	
		ALCAMAC™ B	Free Flowing
Loss on drying (%)		2.2	3.7
Bulk volume (mL/g)		4.05	3.16
Tapped bulk density (g/mL)		0.32	0.36
Repose angle (°)		42	35
Specific surface area (BET) (m <sup>2</sup> /g)		70	102