Support

USP Specification for GC Capillaly Columns and GC Supports.

UPS No.	Description	SHINWA Recommendations
G1	Dimethylpolysiloxane oil	ULBON HR-1
G2	Dimethylpolysiloxane gum	ULBON HR-1
G3	50% Phenyl - 50% methylpolysiloxane	ULBON HR-17
G16	Polyethylene glycol compound (av. mol. wt. about 15,000). A high molecular weight compound of polyethylene glycol with a diepoxide linker. Available commercially as Polyethylene Glycol Compound 20M, or as Carbowax 20M, from suppliers of chromatographic reagents.	ULBON HR-20M
G20	Polyethylene glycol (av. mol. wt. of 380 to 420)	ULBON HR-20M
S1A	Siliceous earth for gas chromatography has been flux-calcined by mixing diatomite with Na_2CO_3 flux and calcining above 900°C. The siliceous earth is acid-washed, then water-washed until neutral, but not base-washed. The siliceous earth may be silanized by treating with an agent such as dimethyldichlorosilane to mask surface silanol groups.	(un silanized) Shimalite W AW (silanized) Shimaite W AW-DMCS
S1C	A support prepared from crushed firebrick and calcined or burned with a clay binder above 900°C with subsequent acid-wash. It may be silanized	(un silanized) Shimalite W AW (silanized) Shimaite W AW-DMCS
S1NS	The siliceous earth is untreated.	Shimalite W NAW
S5	40- to 60-mesh, high-molecular weight tetrafluorethylene polymer.	Shimalite F