

Sample Preparation and Loading Kit – The Easiest Way to Work With Powder Samples



The Sample Preparation and Loading Kit makes the handling of powder samples for diffuse reflection sampling easy. It includes a round mounting base and a matching tray with an opening which accommodates sampling cups. The cup is placed in the assembly and overfilled with sample, and then excess powder is leveled-off with a spatula. The overflow is retained on the tray and can be easily returned to the sample container or disposed.

Two standard sampling cups offer 0.18 and 0.03 cubic centimeter capacities (10-mm diameter, 2.3-mm deep and 6.0-mm diameter, 1.6-mm deep). The required approximate weight of the sample/KBr mixture is 450 mg for the large cup and 80 mg for the small one.

ORDERING INFORMATION

PART NUMBER	DESCRIPTION
042-3040	Sample Preparation and Loading Kit <i>Includes 2 micro and 2 macro cups, alignment mirror, sampling cup holder and base, 2 spatulas, brush</i>
042-2010	Sample Cup, micro, 6-mm diameter, 1.6-mm deep (2 ea.)
042-2020	Sample Cup, macro, 10-mm diameter, 2.3-mm deep (2 ea.)
042-3030	Delrin® Sampling Cup Holder and Base
042-3080	Alignment Mirror, aluminum
042-3082	Alignment Mirror, gold
042-3070	Camel Hair Brush
042-3035	Spatula, spoon
042-3050	Spatula, flat
160-8010	KBr Powder (100 g)

Note: The Sample Preparation and Loading Kit is included with EasiDiff, DiffusIR and AutoDiff diffuse reflection accessories.

Abrasion Sampling Kit – The Plastic Bumper Sampler



The Abrasion Sampling Kit consists of a sample collector tool and a set of silicone carbide and diamond disks. Sampling is performed by abrading the surface of the investigated substance with a selected disk. The disk is placed in the accessory and a diffuse reflection spectrum of the material is collected. This method is particularly useful for the analysis of large painted surfaces (e.g. car panels) and other awkward objects.

- Convenient set of tools for collection of difficult solid samples
- Rigid construction, diamond and silicon carbide disks

ORDERING INFORMATION

PART NUMBER	DESCRIPTION
042-3010	Abrasion Sampling Kit <i>Includes sample collector tool with stainless steel flat sample post, 75 SiC disks and 25 diamond abrasion disks</i>
042-3020	Abrasion Disks, silicon carbide (100 ea.)
042-3025	Abrasion Disks, diamond (50 ea.)
042-3060	Flat Sample Post