

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



The Sample Preparation Kit makes the handling of powder samples for diffuse reflectance 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 depth and 6.0 mm diameter/1.6 mm depth). The required approximate weight of the sample/KBr mixture is 450 mg for the large cup and 80 mg for the small one.

Please note, the Sample Preparation and Loading Kit is included with PIKE Technologies EasiDiff and DiffusIR diffuse reflectance accessories.

ORDERING INFORMATION

PART NUMBER	DESCRIPTION
042-3040	Sample Preparation Kit <i>Includes: two Micro and Macro cups, Alignment Mirror, Sampling Cup Holder and Base, Two Spatulas, Brush</i>
042-2010	Small Sample Cup (micro: 6.0 mm diameter, 1.6 mm deep), 2 per package
042-2020	Large Sample Cup (macro: 10 mm diameter, 2.3 mm deep), 2 per package
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)
160-8010	KBr Powder (100 g)
042-3050	Spatula (Flat)

Abrasion Sampling Kit – *The Plastic Bumper Sampler*



The Abrasion Sampling Kit consists of an abrasion disk holder and a set of silicone carbide (SiC) 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 reflectance 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: Heavy Duty Sampling Tool and Stainless Steel Disk Support, 75 SiC Disks and 25 Diamond Abrasive Disks</i>
042-3020	Silicon Carbide Abrasive Disks (Pack of 100)
042-3025	Diamond Abrasive Disks (Pack of 50)
042-3060	Abrasion Kit Disk Support Post