

## 96-6719 BASF Palladium Catalyst Kit

HAZ *Product offered is commercial grade, sold in collaboration with BASF for research purposes only.*

Components also available for individual sale. **Contains the smallest unit size of each of the following items:**

<b>46-1707</b>	<b>Palladium, 20% on activated carbon (Pearlman's catalyst), unreduced, 50% water wet paste (Escat™ 1951) (7440-05-3)</b>	5g 25g
	black powdr. (d50=24 µm); SA: 850m <sup>2</sup> /g	

### Technical Note:

1. Escat™ 1951 catalyst is recommended for a broad range of reactions common to palladium on carbon catalysts. Specifically, it is well suited for removal of protecting groups such as benzyl, FMOc and others.

<b>46-1710</b>	<b>Palladium, 0.6% on activated carbon, 50% water-wet paste (NanoSelect LF 100) (7440-05-3)</b>	5g 25g
	black solid (d50=25 µm)	

### Technical Note:

1. NanoSelect LF 100 is a lead-free, water-wet, catalyst containing metal crystallites sizes of around 7 nm, and a mean particle size of 25 microns. The metal crystallites are supported on a carbon powder. The presence of nanometer-sized metal particles greatly increases the metal surface area available per gram of catalyst, and boosts catalytic activity. The catalyst is recommended for use in hydrogenation reactions leading to the partial reduction of functional groups. It is specifically suited for the selective hydrogenation of alkynes to alkenes, with a high selectivity for cis-alkenes.

<b>46-1901</b>	<b>Palladium, 5% on activated peat carbon, reduced, 50% water wet paste (Escat™ 1621) (7440-05-3)</b>	10g 50g
	black powdr. (d50=15 µm); SA: 850m <sup>2</sup> /g	

### Technical Note:

1. Escat™ 1621 catalyst is recommended for a broad range of reactions common to palladium on carbon catalysts, such as hydrogenolysis under hydrogen transfer conditions.

<b>46-1902</b>	<b>Palladium, 5% on activated wood carbon, reduced, dry (Escat™ 1431) (7440-05-3)</b>	10g 50g
HAZ	black powdr. (d50=18 µm); SA: 900m <sup>2</sup> /g	

### Technical Note:

1. Escat™ 1431 catalyst is recommended for a broad range of reactions common to palladium on carbon catalysts, where water is detrimental to the selectivity of the reaction. Active over a wide range of conditions.

<b>46-1903</b>	<b>Palladium, 5% on activated wood carbon, reduced, 50% water wet paste (Escat™ 1421) (7440-05-3)</b>	10g 50g
	black powdr. (d50=18 µm); SA: 900m <sup>2</sup> /g	

### Technical Note:

1. Escat™ 1421 catalyst is recommended for a broad range of reactions commonly catalyzed by palladium on carbon.

<b>46-1905</b>	<b>Palladium, 10% on activated wood carbon, reduced, 50% water wet (Escat™ 1931) (7440-05-3)</b>	10g 50g
	black powdr. (d50=38 µm); SA: 1500m <sup>2</sup> /g	

### Technical Note:

1. Escat™ 1931 catalyst is recommended for a broad range of reactions commonly catalyzed by palladium on carbon. Specifically, it is well suited for removal of protecting groups such as benzyl, FMOc and others.

<b>46-1904</b>	<b>Palladium, 5% on activated wood carbon, unreduced, 50% water wet paste (Escat™ 1471) (7440-05-3)</b>	10g 50g
	black powdr. (d50=18 µm); SA: 900m <sup>2</sup> /g	

### Technical Note:

1. Escat™ 1471 catalyst is recommended for a broad range of reactions common to palladium on carbon catalysts. Specifically, it is well suited for hydrogenolysis reactions using molecular hydrogen. Active over a wide range of conditions.

<b>46-1906</b>	<b>Palladium, 10% on activated wood carbon, unreduced, 50% water wet (Escat™ 1921) (7440-05-3)</b>	10g 50g
	black powdr. (d50=38 µm); SA: 1500m <sup>2</sup> /g	

### Technical Note:

1. Escat™ 1921 catalyst is recommended for a broad range of reactions common to palladium on carbon catalysts. Specifically, it is well suited for removal of protecting groups such as benzyl, FMOc and others.

<b>46-1951</b>	<b>Palladium, 5% on alumina powder, reduced, dry (Escat™ 1241) (7440-05-3)</b>	5g 25g
	gray powdr. (d50=70 µm); SA: 110m <sup>2</sup> /g	

### Technical Note:

1. Escat™ 1241 catalyst is recommended for selective hydrogenation reactions such as alkyne reduction in the presence of carboxylic groups. The particle size of the catalyst is ideal for allowing fast separation from the reaction mixture.

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