

96-6717 BASF Heterogeneous Catalyst Kit

1 kit

HAZ Product offered is commercial grade, sold in collaboration with BASF for research purposes only. Components also available for individual sale. This kit contains the one of the smallest unit size for each of the following items:

46-1707	Palladium, 20% on activated carbon (Pearlman's catalyst), unreduced, 50% water wet paste (Escat™ 1951) (7440-05-3)	5g 25g
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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.

46-1710	Palladium, 0.6% on activated carbon, 50% water-wet paste (NanoSelect LF 100) (7440-05-3)	5g 25g
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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.

46-1901	Palladium, 5% on activated peat carbon, reduced, 50% water wet paste (Escat™ 1621) (7440-05-3)	10g 50g
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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.

46-1902	Palladium, 5% on activated wood carbon, reduced, dry (Escat™ 1431) (7440-05-3)	10g 50g
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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.

46-1903	Palladium, 5% on activated wood carbon, reduced, 50% water wet paste (Escat™ 1421) (7440-05-3)	10g 50g
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Technical Note:

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

46-1904	Palladium, 5% on activated wood carbon, unreduced, 50% water wet paste (Escat™ 1471) (7440-05-3)	10g 50g
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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.

46-1905	Palladium, 10% on activated wood carbon, reduced, 50% water wet (Escat™ 1931) (7440-05-3)	10g 50g
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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.

46-1951	Palladium, 5% on alumina powder, reduced, dry (Escat™ 1241) (7440-05-3)	5g 25g
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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.

78-1611	Platinum, 5% on activated wood carbon, reduced, dry (Escat™ 2431) (7440-06-4)	5g 25g
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Technical Note:

1. Escat™ 2431 catalyst is recommended for a broad range of reactions common to platinum on carbon catalysts, where water is detrimental to the selectivity of the reaction. Active over a wide range of conditions.

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78-1612	Platinum, 5% on activated wood carbon, reduced, 50% water wet paste (Escat™ 2421) (7440-06-4)	5g 25g
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Technical Note:

1. Escat™ 2421 catalyst is recommended for a broad range of reactions common to platinum on carbon catalysts, such as nitro group reductions, reductive alkylations as well as other coupling reactions. Active over a wide range of conditions.
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78-1613	Platinum, 5% on activated carbon, unreduced, 50% water wet paste (Escat™ 2441) (7440-06-4)	5g 25g
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Technical Note:

1. Escat™ 2441 catalyst is recommended for a broad range of reactions common to platinum on carbon catalysts, such as nitro group reductions, reductive alkylations as well as other coupling reactions. Active over a wide range of conditions.
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45-1875	Rhodium, 5% on activated wood carbon, reduced, 50% water wet paste (Escat™ 3401) (7440-16-6)	1g 5g
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Technical Note:

1. Escat™ 3401 catalyst is recommended for a broad range of reactions common to rhodium on carbon catalysts. Specifically, it is well suited for hydrogenation of aromatic rings at mild pressure and temperature.
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44-4065	Ruthenium, 5% on activated carbon, reduced, 50% water wet paste (Escat™ 4401) (7440-18-8)	5g 25g
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Technical Note:

1. Escat™ 4401 catalyst is recommended for a broad range of reactions common to ruthenium on carbon catalysts. Specifically, it is well suited for carbonyl hydrogenation, such as sugars.
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