

# Absolute Mag™ PEG-NH2 Magnetic Polystyrene Particles, 7 µm

Cat.No: WHM-G134

## DESCRIPTION

<b>Description</b>	Absolute Mag™ PEG-NH2 Magnetic Polystyrene Particles, 7 µm (# WHM-G134) are monodisperse magnetic particles, consisting of magnetite around an organic matrix of a polystyrene polymer, and finally coated with a polymer layer for the encapsulation of magnetite. These particles are designed with PEG-NH2 groups on the surface for the covalent binding of proteins, antibodies or other molecules by glutaraldehyde activation. These magnetic particles can easily be separated with a conventional permanent magnet. Standard deviation: < 5 % (C.V.).
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## PRODUCT INFORMATION

<b>Particle Size</b>	7 µm
<b>Functional Group</b>	Amine
<b>Concentration</b>	50 mg/mL
<b>Number of Particles</b>	2.5E+8 particles/mL
<b>Matrix</b>	Polystyrene
<b>Density</b>	1.1 g/ccm
<b>Magnetization</b>	3.0 Am <sup>2</sup> /kg particles (H = 80 kA/m)
<b>Saturation Magnetization</b>	> 3.7 Am <sup>2</sup> /kg particles (H> 800 kA/m)

## STORAGE AND SHIPPING

<b>Storage Buffer</b>	Suspension in water.
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<b>Stability</b>	Stable in aqueous buffers, methanol, ethanol, DMSO. Not stable in halogenated hydrocarbons, toluene, strong acidic solutions, e.g. 10% HCl .
<b>Storage</b>	Storage at 2 - 8 °C for 6 months.
<b>Shelf Life</b>	When stored as specified the product is stable for six months.