

# Absolute Mag™ PEG-NH2 Magnetic Polystyrene Particles, 6 µm

Cat.No: WHM-G133

## DESCRIPTION

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Absolute Mag™ PEG-NH2 Magnetic Polystyrene Particles, 6 µm (# WHM-G133) 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.

## PRODUCT INFORMATION

Particle Size	6 µm
Functional Group	Amine
Concentration	50 mg/mL
Number of Particles	4.0E+8 particles/mL
Matrix	Polystyrene
Density	1.1 g/ccm
Magnetization	4.8 Am <sup>2</sup> /kg particles (H = 80 kA/m)
Saturation Magnetization	> 5.8 Am <sup>2</sup> /kg particles (H> 800 kA/m)

## STORAGE AND SHIPPING

Storage Buffer	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.