



## IDA Latex Particles PRODUCT DATA SHEET

### IDA Latex Particles

#### Description

Latex microspheres are spherical particles within the colloidal particle size range, which are prepared from amorphous polymers including polystyrene, polypropylene, polyethylene and so on. Among them, the more common polystyrene microspheres are suitable for adsorbing water-soluble substances owing to their good hydrophobicity. Previous studies have prepared a chelating vinyl monomer, GMA-IDA, via an epoxy group reaction of glycidyl methacrylate (GMA) with iminodiacetic acid (IDA). Poly(GMA-IDA) hydrogels and other copolymers have also been synthesized and successfully used in metal ions recovery. Recently, GMA-IDA has been copolymerized with styrene in mixtures of water and ethanol to form a water-soluble polymer. However, this reaction in an aqueous medium induces surfactant-free emulsion polymerization, produces latex that can form latex-metal complexes and be employed in many fields, including wastewater treatment, gas membrane separation, organic synthesis catalyst and nano-particles synthesis.

Abvigen can provide a wide range of high-quality latex microspheres, including IDA Latex Particles. The surface of particle can be modified differently. In addition, it can be further flexibly adjusted according to customer requirements and use conditions.

For custom sizes, formulations or bulk quantities please contact our customer service department.

**Website:** [www.abvigen.com](http://www.abvigen.com) **Phone:** +1 929-202-3014 **Email:** [info@abvigenus.com](mailto:info@abvigenus.com)

#### Characteristics

Concentration: 50 mg/ml

Size: 10 ml

Particle size: 300 nm

Surface: Plain

Shape: Spherical

Composition: Latex Particles

Form: Suspension

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Reserved

Email:

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Store: Storage at 2 - 8 °C

Quality guarantee period: 12 months

### Storage

This product should be stored at 4°C. **DO NOT FREEZE.**

### Highlights

Customized supply

Large scale supply

Excellent application effect

Good monodispersity

### For 50 mg/ml of IDA Latex Particles

Diameter	Conc. mg/ml	Particles/mg	Particles/ml
0.3	50	6.67E+10	3.34E+12

### Ordering Information

Website: [www.abvigen.com](http://www.abvigen.com)

Phone: +1 929-202-3014

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